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## Inventor Information for 10/706642

<b>Inventor Name</b>	<b>City</b>	<b>State/Country</b>
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		system			
US 20020020310 A1	20020221	Screen-printing plate, manufacturing method of laminated- ceramic electronic devices, and laminated- ceramic electronic device manufactured by the method	101/127		Tanaka, Kazuma et al.
US 20020018892 A1	20020214	Aqueous dry laminate adhesive composition for artificial leather and manufacturing method for artificial leather using the same	428/355R	428/343	Satake, Eiji et al.
US 20020017345 A1	20020214	Heat treatment method of steel	148/578		Takashina, Kenzo et al.
US 20020016501 A1	20020207	Process for producing aromatic polycarboxylic acid	562/416		Okoshi, Atsushi et al.
US 20020014610 A1	20020207	Fire extinguishing composition	252/3		Tanaka, Kazunori et al.
US 20020010346 A1	20020124	Process for producing trimellitic anhydride	549/239		Tanaka, Kazuo et al.
US 20020005072 A1	20020117	Sensor held by base having lead	73/715		Nidan, Akira et al.
US 20020001155 A1	20020103	DAMPING MATERIAL, DAMPING METHOD AND DISC DRIVE	360/97.01		TAKAHASHI, NOBUYUKI et al.
US 20010053646 A1	20011220	Hollow fibers and manufacturing method of hollow fibers	442/181	428/364; 442/194; 442/338	Tanaka, Kazuhiko et al.
US 20010053271 A1	20011220	Video capture device	386/1	386/131	Okayama, Masataka et al.
US 20010050782 A1	20011213	Image forming system	358/1.15		Niitsuma, Tetsuya et al.
US 20010045649 A1	20011129	Semiconductor device	257/738	257/E23.151; 257/E23.194	Sumikawa, Masato et al.
US 20010042003 A1	20011115	Network marketing business method	705/10		Tanaka, Kazuyoshi

US 20010039389 A1	20011108	Ultrasonic operation apparatus for performing follow-up control of resonance frequency drive of ultrasonic oscillator by digital PLL system using DDS (direct digital synthesizer)	601/2		Sakurai, Tomohisa et al.
US 20010033360 A1	20011025	Hybrid lens and method for forming the same	351/159	264/1.7; 264/136; 264/138; 351/177	Koizumi, Hiroshi et al.
US 20010033016 A1	20011025	Semiconductor device and method of manufacturing the same	257/697	257/E23.119; 257/E23.12; 257/E23.132	Sumikawa, Masato et al.
US 20010012883 A1	20010809	Process for producing polyamide	528/324	528/329.1	Tanaka, Kazumi et al.
US 20010011910 A1	20010809	Level conversion circuit and semiconductor integrated circuit device employing the level conversion circuit	326/68		Tanaka, Kazuo et al.
US 20010010742 A1	20010802	Ferrule assembly and optical module	385/84	385/76; 385/78	Nakagawa, Goji et al.
US 20010002851 A1	20010607	Multimedia data processing system in network	348/423.1		Shimada, Takao et al.
US 20010000121 A1	20010405	Lamp and method for manufacturing the same	313/635	313/110; 313/112; 445/22	Tanaka, Kazuhisa et al.
US 7042740 B2	20060509	Soft-switching half-bridge inverter power supply system	363/24	363/134; 363/56.07	Morimoto; Keiki et al.
US 7026371 B2	20060411	Electron beam curable urethane resin for magnetic recording medium, method of manufacturing the same, and magnetic recording medium using the same	522/90	360/131; 428/423.1; 428/900; 522/174; 522/96; 525/455; 525/457; 528/73	Sasaki; Hideki et al.
US 7026030 B2	20060411	Optical information medium	428/64.1	428/64.4; 430/270.11	Itoh; Hidetake et al.
US 7012160 B2	20060314	Fluorine-containing acetophenone derivative, surface layer material containing the same as photo	568/335	351/161; 427/447; 428/323; 428/325;	Hayashida; Naoki et al.

		initiator, article with composite hard coat layer, and method for forming composite hard coat layer		428/331; 564/161; 564/170; 564/183; 568/336; 568/337	
US 7002734 B2	20060221	Pre-amplifier gain setting method utilizing ASE light and WDM optical transmission apparatus employing the method	359/341.4	398/59	Horachi; Kazunori et al.
US 7001730 B2	20060221	Immunological analyzing apparatus and immunological analyzing method	435/7.1	422/67; 436/47; 436/50	Saito; Michihiro et al.
US 6993158 B2	20060131	Device for and method of automatically tracking a moving object	382/103	348/169; 382/107	Cho; Jae-soo et al.
US 6977771 B2	20051220	Optical amplifier supervisory control method in WDM communication system	359/341.41	359/341.42; 398/181	Asao; Taro et al.
US 6965981 B2	20051115	Processor including a plurality of computing devices	712/22	712/24	Nishioka; Kiyokazu et al.
US 6962111 B2	20051108	Screen-printing plate, manufacturing method of laminated-ceramic electronic devices, and laminated-ceramic electronic device manufactured by the method	101/127	101/129; 118/213; 118/406	Tanaka; Kazuma et al.
US 6961139 B1	20051101	Image forming system, method for storing image data and memory media	358/1.15	358/468	Kita; Koji et al.
US 6953301 B2	20051011	Lid assembly for facility access opening	404/25	49/40	Koga; Kenichi et al.
US 6947634 B2	20050920	Optical waveguide device	385/31	385/12; 385/39	Tanaka; Kazuo et al.
US 6929755 B2	20050816	Method of and apparatus for chemical mechanical polishing and slurry supplying device	216/89	156/345.13	Tanaka; Kazuhiro
US 6921865 B2	20050726	Superconductor connection structure	174/125.1	505/220; 505/230	Morita; Hiroshi et al.
US 6915759 B2	20050712	Printing apparatus and method for spark plug insulator	118/46	101/150; 101/154; 101/155; 101/157;	Tanaka; Kazuhiko

				101/38.1; 118/211; 118/212; 118/261	
US 6912015 B1	20050628	Video display apparatus with vertical scan velocity modulation and video display method thereof	348/626	348/625; 348/627	Uwabata; Hideyo et al.
US 6904383 B2	20050607	DISTANCE FACTOR LEARNING DEVICE, DISTANCE FACTOR LEARNING METHOD, DISTANCE FACTOR LEARNING PROGRAM, RECORDING MEDIUM RECORDING SAID PROGRAM, MOVEMENT CONDITION COMPUTING DEVICE, AND PRESENT POSITION COMPUTING DEVICE	702/169	342/357.08; 342/357.09; 701/216; 702/150; 702/94	Tanaka; Kazuaki et al.
US 6900774 B2	20050531	Shielding device for antenna board, and liquid ejection apparatus incorporating the same	343/841	347/100	Kawakami; Kunio et al.
US 6900295 B2	20050531	Polymeric compound comprising glycopolymer and a method for decomposing the same	536/4.1	510/235; 510/320; 510/392; 526/238.2; 536/107; 536/115; 536/123.1; 536/18.5; 536/18.6; 536/58	Kishi; Hiroyoshi et al.
US 6888023 B2	20050503	Process for producing pyromellitic acid	562/421		Tanaka; Kazuo et al.
US 6870260 B2	20050322	Semiconductor module	257/724	257/528; 257/531; 257/532; 257/723; 257/780; 257/E25.029	Kimura; Junichi et al.
US 6858312 B2	20050222	Aqueous compositions and process for the surface modification of articles by use	428/457	106/162.2; 165/133; 165/134.1;	Kobayashi; Nobuyuki et al.

		of the aqueous compositions		428/532; 524/17; 524/21; 524/27; 524/284; 524/300; 524/322; 536/20	
US 6853217 B2	20050208	Level conversion circuit and semiconductor integrated circuit device employing the level conversion circuit	326/68	326/62; 326/63	Tanaka; Kazuo et al.
US 6852890 B1	20050208	Process for the preparation of phenylhydrazines	564/314		Tanaka; Kazuyuki et al.
US 6836729 B2	20041228	Method of and apparatus for detecting vehicle speed pulse drop, on-vehicle navigation system, program storage device and computer data signal embodied in carrier wave	701/216	340/993; 701/121; 701/79; 702/150; 702/96	Tanaka; Kazuaki et al.
US 6829949 B2	20041214	Seating detecting device	73/862.041		Ito; Koji et al.
US 6829525 B2	20041207	Movement condition computing device, method, and program, and recording medium recording said program, and navigation device	701/1	180/168; 180/170; 701/200; 701/70; 701/79	Tanaka; Kazuaki et al.
US 6817920 B1	20041116	Discharge lamp having an electrode with suppression of end portion deformation, discharge lamp electrode and method for producing same	445/58		Furuta; Shinobu et al.
US 6811874 B2	20041102	Composite fiber	428/370	428/373; 428/374	Tanaka; Kazuhiko et al.
US 6811581 B2	20041102	High-speed tool steel gear cutting tool and manufacturing method therefor	51/307	428/216; 428/336; 428/469; 428/472; 428/697; 428/698; 428/699; 51/309	Yamada; Yasuyuki et al.
US 6810188 B1	20041026	Coated optical fiber	385/128	385/127	Suzuki; Atsushi et al.

US 6795588 B1	20040921	Noise detector, noise detection method, signal processor and signal processing method	382/261	348/470; 348/533; 348/610; 348/627; 375/240.29; 382/266	Nio; Yutaka et al.
US 6794600 B2	20040921	Plasma torch used for heating molten steel	219/121.48	219/121.36	Fukunaga; Shinichi et al.
US 6792786 B2	20040921	Fabrication method of metal shell of spark plug	72/348	29/34R; 29/890.15; 445/7; 72/347; 72/356	Tanaka; Kazuhiko
US 6789966 B2	20040914	Printer, carriage supporting structure and head assembly incorporated in the printer	400/354	347/198; 400/120.17; 400/59	Tanaka; Kazuo et al.
US D494589 S	20040817	Detection device	D14/383		Liljestrand; John E. et al.
US 6761690 B2	20040713	Ultrasonic operation apparatus for performing follow-up control of resonance frequency drive of ultrasonic oscillator by digital PLL system using DDS (direct digital synthesizer)	600/447	600/437; 600/443; 600/459	Sakurai; Tomohisa et al.
US 6756675 B1	20040629	Semiconductor device and a method for making the same that provide arrangement of a connecting region for an external connecting terminal	257/758	257/750; 257/781; 257/E23.02; 257/E23.152; 257/E23.194	Tanaka; Kazuo
US 6750412 B2	20040615	Pressure sensing switch	200/85A	200/85R	Ito; Koji et al.
US 6750318 B2	20040615	Polyamide resins and process for producing the same	528/310	528/170; 528/329.1; 528/332; 528/335; 528/336; 528/340	Tanaka; Kazumi et al.
US 6746908 B2	20040608	Temperature controlling method, thermal treating apparatus, and method of manufacturing semiconductor device	438/225	438/297; 438/362; 438/425; 438/439; 438/452	Tanaka; Kazuo et al.
US 6738528 B1	20040518	Block noise detector and block noise eliminator	382/268	358/426.14; 382/232; 382/233	Nio; Yutaka et al.

US 6737772 B2	20040518	AC generator for use in vehicle and method for forming connection latch portion in conductor wire applied to stator winding thereof	310/71	439/884	Tanaka; Kazunori et al.
US 6720742 B2	20040413	Light control device, method for driving same and pickup device using the light control device	315/291	313/121	Yanagida; Toshiharu et al.
US 6716943 B2	20040406	Surface active agent containing fluorine and coating compositions using the same	526/245	526/250	Tanaka; Kazunori et al.
US 6711531 B1	20040323	Temperature control simulation method and apparatus	703/6	700/31; 703/2; 703/7	Tanaka; Kazuo et al.
US 6699565 B2	20040302	Pressure-sensitive transfer adhesive tape	428/156	428/141; 428/172; 428/343; 428/41.8; 428/42.1	Kikuchi; Hidetatsu et al.
US 6693163 B2	20040217	Solid-phase drying and solid-phase polymerization of polyamide	528/310	528/312; 528/313; 528/322; 528/332; 528/335; 528/336; 528/337; 528/480; 528/502C; 528/502R	Tanaka; Kazumi et al.
US 6679875 B2	20040120	Medical treatment system	606/1	606/34; 606/41	Honda; Yoshitaka et al.
US 6677780 B2	20040113	Level conversion circuit and semiconductor integrated circuit device employing the level conversion circuit	326/62	257/392; 326/68; 326/81	Tanaka; Kazuo et al.
US 6676264 B1	20040113	Laser beam focusing apparatus and method for focusing a laser beam	359/853	385/125	Mima; Kunioki et al.
US 6669378 B2	20031230	Ferrule assembly and optical module	385/84	385/81; 385/85; 385/86	Nobuhara; Hiroyuki et al.
US 6664677	20031216	Vehicle-onboard AC	310/71	310/68D;	Tanaka;

B2		generator		310/68R	Kazunori et al.
US 6663118 B1	20031216	Snowboard interface with an upper portion that translates and rotates relative to a lower portion	280/14.22	280/618; 36/118.2	Otsuji; Takashi et al.
US 6657037 B2	20031202	Process for production of polyamide	528/170	528/310; 528/332; 528/335; 528/336; 528/480; 528/491; 528/492; 528/502R	Tanaka; Kazumi et al.
US 6641308 B2	20031104	Ferrule assembly and optical module	385/84	385/81; 385/82; 385/85; 385/86	Nobuhara; Hiroyuki et al.
US 6638865 B2	20031028	Manufacturing method of semiconductor chip with adhesive agent	438/692	257/E21.122; 257/E21.567; 257/E21.599; 438/459	Tanaka; Kazuyasu
US 6635204 B2	20031021	Process of making hollow fibers and treating fibers	264/49	264/344	Tanaka; Kazuhiko et al.
US 6610816 B2	20030826	Process for production of polyamide	528/310	528/312; 528/313; 528/332; 528/335; 528/336; 528/337; 528/338; 528/339; 528/340; 528/347	Kurose; Hideyuki et al.
US 6604193 B1	20030805	Processor in which register number translation is carried out	712/228	712/216; 712/217; 712/218	Shimada; Kentaro et al.
US 6596186 B2	20030722	Mask for the selective growth of a solid, a manufacturing method for the mask, and a method for selectively growing a solid using the mask	216/41	216/49; 257/E21.131; 438/725	Yasuda; Tetsuji et al.
US 6591689 B2	20030715	Sensor held by base having lead	73/754	73/715; 73/73; 73/756	Nidan; Akira et al.
US 6591120	20030708	Rotationally symmetric oxide	505/231	257/E39.018;	Tanaka;



B1		superconducting wire and solenoid coil or magnetic field generator incorporating the same		29/599; 505/705	Kazuhide et al.
US 6590192 B2	20030708	Microwave oven with temperature-dependent automatic stop	219/710	219/711; 219/748; 219/749; 374/149; 99/325	Taino; Kazuo et al.
US 6590177 B2	20030708	Membrane switch and pressure sensitive sensor	200/512	200/268; 338/114	Takahashi; Katsuhiko et al.
US 6587353 B2	20030701	Semiconductor device	361/760	174/250; 257/E23.151; 257/E23.194	Sumikawa; Masato et al.
US 6584200 B1	20030624	Image scrambling method and apparatus therefor	380/216	713/160; 713/189	Tanaka; Kazuyoshi
US 6580005 B1	20030617	Process for recovering terephthalic acid from pulverized product of spent polyethylene terephthalate and system for use in such process	562/483	562/485; 562/486	Yazaki; Jinichi et al.
US 6579990 B2	20030617	Process for producing refined pyromellitic acid and refined pyromellitic anhydride	549/239	562/486	Tanaka; Kazuo et al.
US 6579739 B2	20030617	Optical transmitting and receiving device and the manufacturing method	438/48	438/16; 438/57; 438/65; 438/7	Terada; Koji et al.
US 6571655 B2	20030603	Involute gear pair structure	74/462	74/457; 74/460	Tanaka; Kazuo
US 6569109 B2	20030527	Ultrasonic operation apparatus for performing follow-up control of resonance frequency drive of ultrasonic oscillator by digital PLL system using DDS (direct digital synthesizer)	601/2	606/27; 607/2	Sakurai; Tomohisa et al.
US 6563097 B2	20030513	Microwave oven with food search and localized heating	219/711	219/748; 219/749; 219/756; 374/149	Taino; Kazuo et al.
US 6562244 B1	20030513	Method and apparatus for disinfecting drainage	210/755	210/198.1; 210/209; 210/764	Yasuhara; Yoshiharu et al.

US 6559273 B2	20030506	Process for producing polyamide	528/310	528/170	Shida; Takatoshi et al.
US 6556767 B2	20030429	Video capture device	386/31	386/44	Okayama; Masataka et al.
US 6556328 B1	20030429	Frequency stabilizing equipment for optical communication light source	398/192	372/29.011; 372/29.02; 372/29.023; 372/32; 398/183; 398/187; 398/198; 398/200; 398/214; 398/9	Tanaka; Kazuo
US 6552366 B1	20030422	Optical transmitting and receiving device and the manufacturing method	257/84	257/80; 257/81; 257/82; 257/83; 257/98; 385/14	Terada; Koji et al.
US 6552123 B1	20030422	Thermoplastic polyvinyl alcohol fibers and method for producing them	525/57	264/172.17; 264/176.1; 264/185; 264/210.8; 264/211; 264/211.22; 264/331.15; 428/364; 428/369; 428/373; 428/374; 428/394; 428/401; 428/457; 428/500; 524/377; 524/503; 525/56; 525/58; 525/60; 525/61; 525/62	Katayama; Takashi et al.
US 6551530 B2	20030422	Method of forming a hybrid lens	264/1.36	264/1.38; 264/1.7	Koizumi; Hiroshi et al.
US 6534864	20030318	Semiconductor memory	257/751	257/369;	Tanaka; Kazuo

B1		device and method of fabricating the same		257/753; 257/763; 257/903; 257/E21.661; 257/E27.099	et al.
US 6529176 B1	20030304	Image display and horizontal speed modulator	345/13	345/23	Okumura; Naoji et al.
US 6518345 B2	20030211	Fire extinguishing composition	252/8.05		Tanaka; Kazunori et al.
US 6506270 B2	20030114	Heat treatment method of steel	148/578	148/517; 148/577; 62/4	Takashina; Kenzo et al.
US 6504400 B2	20030107	Level conversion circuit and semiconductor integrated circuit device employing the level conversion circuit	326/68	326/62; 326/63	Tanaka; Kazuo et al.
US 6498700 B2	20021224	Damping material, damping method and disc drive	360/97.01	181/286	Takahashi; Nobuyuki et al.
US 6496749 B1	20021217	Semiconductor producing apparatus and temperature control method therefor	700/121	219/483; 219/486; 219/494; 219/501; 438/660; 438/795; 438/799; 700/117; 700/28; 700/29; 700/30; 700/41; 700/42; 702/130; 702/136; 702/99	Yamaguchi; Hideto et al.
US 6493125 B1	20021210	Apparatus for stabilizing light source frequency	398/95	372/29.011; 372/29.02; 372/29.023; 372/32; 372/34; 398/81	Tanaka; Kazuo et al.
US 6490648 B1	20021203	Virtual tape storage apparatus	711/4	711/111; 711/154; 711/170	Kaneda; Yasunori et al.
US 6489435 B2	20021203	Process for producing polyamide	528/310	528/312; 528/322;	Tanaka; Kazumi et al.

				528/332; 528/335; 528/336; 528/339; 528/340	
US 6488415 B2	20021203	Ferrule assembly and optical module	385/84	385/81; 385/82; 385/85; 385/86	Nobuhara; Hiroyuki et al.
US 6478803 B1	20021112	Device for delivery of surgical materials	606/151		Kapec; Jeffrey et al.
US 6472540 B1	20021029	Process for producing .epsilon.-caprolactone	549/272		Tanaka; Kazuo et al.
US 6458994 B2	20021001	Process for producing aromatic polycarboxylic acid	562/416	562/408; 562/409	Okoshi; Atsushi et al.
US 6455156 B2	20020924	Hollow fibers and manufacturing method of hollow fibers	428/398	428/373; 428/376	Tanaka; Kazuhiko et al.
US 6452635 B1	20020917	Image pickup apparatus	348/342	348/241; 348/335	Tanaka; Kazuyuki
US 6444056 B1	20020903	Refined magnesium material and method for producing the same	148/420	420/411	Nakamura; Tadayoshi et al.
US 6441500 B1	20020827	Semiconductor device having resin members provided separately corresponding to externally connecting electrodes	257/780	257/737; 257/E23.021	Sumikawa; Masato et al.
US 6429976 B1	20020806	Optical switch using tilt mirrors	359/641	359/290; 359/627	Yamamoto; Tsuyoshi et al.
US 6429899 B1	20020806	Video display apparatus with scan conversion and reversion and a video display method using scan conversion and reversion	348/443	206/441	Nio; Yutaka et al.
US 6429577 B1	20020806	Discharge lamp with outer tube comprising silicon dioxide and boron	313/25	313/573; 313/636; 501/54; 501/64; 501/65	Kiryu; Hideaki et al.
US 6424383 B1	20020723	Apparatus for correcting vertical contours	348/628	348/606; 348/607; 348/625	Terai; Katsumi et al.
US 6413634 B1	20020702	Electrically-conductive composite fiber	428/370	428/372; 428/373; 428/374	Tanaka; Kazuhiko et al.

US 6410753 B1	20020625	Process for producing trimellitic anhydride	549/245		Tanaka; Kazuo et al.
US 6410177 B1	20020625	Fuel cell having gas manifold	429/26	429/84	Iyasu; Kotaro et al.
US D459047 S	20020618	Chuck for lifting steel metal	D34/28	D34/35	Tanaka; Kazuhiko
US 6401190 B1	20020604	Parallel computing units having special registers storing large bit widths	712/24		Nishioka; Kiyokazu et al.
US 6400657 B1	20020604	Method of selecting medium in optical disk memory device and optical disk memory system	369/30.06	707/204	Soeda; Kazuhiro et al.
US 6394663 B2	20020528	Ferrule assembly and optical module	385/84	385/81; 385/82; 385/85; 385/86	Nakagawa; Goji et al.
US 6392439 B2	20020521	Level conversion circuit and semiconductor integrated circuit device employing the level conversion circuit	326/68	326/62; 326/63	Tanaka; Kazuo et al.
US 6390686 B2	20020521	Ferrule assembly and optical module	385/85	385/81; 385/82; 385/86	Nobuhara; Hiroyuki et al.
US 6384535 B1	20020507	Lamp with shading film	313/634	313/112; 313/117; 313/25; 313/489; 313/635; 445/22; 445/58	Tanaka; Kazuhisa et al.
US 6384168 B1	20020507	Surface active agent containing fluorine and coating compositions using the same	526/245	524/544; 524/545; 524/546; 526/250	Tanaka; Kazunori et al.
US 6382258 B1	20020507	Flexible tube and method of manufacturing the same	138/130	138/125; 138/141; 138/144	Tanaka; Kazuaki
US 6370281 B1	20020409	Apparatus and method for detecting enlarging ratio or reducing ratio of image data	382/298	345/660; 348/561; 348/581	Tanaka; Kazuyoshi
US 6369474 B1	20020409	Alternating current generator for vehicle	310/71	29/860; 29/863; 310/42	Tanaka; Kazunori et al.
US 6362529 B1	20020326	Stacked semiconductor device	257/777	257/686; 257/723;	Sumikawa; Masato et al.

				257/E23.011; 257/E25.013	
US 6361738 B1	20020326	Method of producing R-Fe-B permanent magnet, and lubricant agent and release agent for use in shaping the same	419/36	148/103; 148/302; 252/62.53; 419/38; 524/404; 75/231	Kaneko; Yuji et al.
US 6357274 B1	20020319	Sparkplug manufacturing method	72/356	72/355.6	Tanaka; Kazuhiko et al.
US 6355730 B1	20020312	Permselective membranes and methods for their production	525/189	210/500.38; 210/500.41; 210/500.42; 210/646; 521/62; 521/63	Kozawa; Hidetoshi et al.
US 6344586 B1	20020205	Process for producing adipic acid	562/590		Ichihashi; Hiroshi et al.
US 6341168 B1	20020122	Method and apparatus for detecting and displaying a representative image of a shot of short duration in a moving image	382/107	382/236	Nagasaka; Akio et al.
US D452833 S	20020108	Seat occupant sensor	D10/104		Ito; Koji et al.
US 6325434 B1	20011204	Tongs apparatus equipped with supplemental-holding-force apparatus	294/118	294/119	Takao; Seiyu et al.
US 6316606 B1	20011113	Polymeric compound comprising glycopolymer and a method for decomposing the same	536/4.1	536/107; 536/115; 536/123.1; 536/123.12; 536/123.13; 536/18.5; 536/18.6; 536/58	Kishi; Hiroyoshi et al.
US 6313244 B1	20011106	Surface active agent containing fluorine and coating compositions using the same	526/242	526/245	Tanaka; Kazunori et al.
US 6306187 B1	20011023	Abrasive material for the needle point of a probe card	51/298	451/533; 51/295; 51/307; 51/309	Maeda; Toshiro et al.
US 6303741 B1	20011016	Solid phase-polymerized polyamide polymer	528/332	528/170; 528/310;	Tanaka; Kazumi

				528/322; 528/335; 528/336; 528/480	
US 6300229 B1	20011009	Semiconductor device and method of manufacturing the same	438/584	257/369; 257/393; 257/E21.165; 257/E21.507; 257/E21.59; 257/E21.661; 257/E27.099; 438/199; 438/271; 438/682	Tanaka; Kazuo et al.
US 6288462 B1	20010911	Stator of alternating current generator	310/71	310/208; 310/254; 310/42	Tanaka; Kazunori et al.
US 6287699 B1	20010911	Mask for the selective growth of a solid	428/446	257/E21.131; 428/698; 430/5	Yasuda; Tetsuji et al.
US 6287163 B1	20010911	Method for applying shading coatings to lamps	445/22	427/376.2; 445/58	Tanaka; Kazuhisa et al.
US 6269215 B1	20010731	Information processing system	386/31	386/38	Okayama; Masataka et al.
US 6269209 B1	20010731	Resin sealed optical module	385/51	174/256; 174/260; 257/783; 257/792; 385/45; 385/49; 385/88; 385/89; 385/92; 385/94	Terada; Koji et al.
US 6267983 B1	20010731	Dermatological patch and process for producing thereof	424/448	424/443; 424/449	Fujii; Kimihiro et al.
US 6267919 B1	20010731	Method of producing a three- dimensional object	264/401	425/174.4; 700/120	Tanaka; Kazuhiko et al.
US 6256419 B1	20010703	Method and apparatus for detecting a point of change in a moving image	382/236	348/700; 382/278	Nagasaka; Akio et al.
US 6251542 B1	20010626	Semiconductor wafer etching method	430/5	134/1.3; 216/45; 216/46; 216/90; 257/E21.223;	Tomita; Masahiro et al.

				257/E21.254; 257/E21.26; 438/928	
US 6249145 B1	20010619	Level conversion circuit and semiconductor integrated circuit device employing the level conversion circuit	326/68	326/62; 326/63	Tanaka; Kazuo et al.
US 6243906 B1	20010612	Ice scraper assembly	15/111	15/236.02; 15/236.06; 15/236.08; 30/172; D32/49; D4/118	Holliday; Brian et al.
US 6243286 B1	20010605	Semiconductor memory device and method of fabricating the same	365/154	257/903; 257/E21.661; 257/E27.099	Kumagai; Takashi et al.
US 6239199 B1	20010529	Resin composition resin molding and method for inhibiting polymerization of vinyl compound	524/83	526/82; 526/83; 526/84; 526/85	Tanaka; Kazumi
US 6232670 B1	20010515	Semiconductor memory device and method of fabricating the same	257/213	257/288; 257/368; 257/E27.099	Kumagai; Takashi et al.
US 6223729 B1	20010501	Controlling apparatus for engine for model and controlling method therefor	123/478	123/1A; 123/DIG.3	Matsuda; Norio et al.
US 6208019 B1	20010327	Ultra-thin card-type semiconductor device having an embedded semiconductor element in a space provided therein	257/679	235/487; 235/492; 257/673; 257/680; 257/730; 257/774; 257/792; 361/761	Tane; Yasuo et al.
US 6205156 B1	20010320	Method and device for data transmission and reception using transmission pause state as reception timing	370/474	370/454	Watanabe; Tomoki et al.
US 6195497 B1	20010227	Associated image retrieving apparatus and method	386/46	345/418; 386/69; 715/719	Nagasaka; Akio et al.
US 6194985 B1	20010227	Oxide-superconducting coil and a method for manufacturing the same	335/216	174/125.1	Tanaka; Kazuhide et al.
US 6187964 B1	20010213	Method of producing phenol compound	568/802	568/803; 568/806	Tanaka; Kazuo et al.



US 6172435 B1	20010109	Flywheel power source device	310/74	310/103; 310/75D; 310/90	Tanaka; Kazuhiko
US 6166186 A	20001226	Monoclonal antibody which binds to a human-Th2-specific protein and hybridoma	530/388.75	435/331; 435/334; 435/343.2; 530/388.22	Ogawa; Kazuyuki et al.
US 6163532 A	20001219	Packet data transferring method for mobile radio data communication system	370/338	455/554.1	Taguchi; Tsutomu et al.
US 6160816 A	20001212	Subscriber-line transmission apparatus	370/467	370/503	Tanaka; Kazuo et al.
US 6157744 A	20001205	Method and apparatus for detecting a point of change in a moving image	382/236	348/700; 382/278; 386/51	Nagasaka; Akio et al.
US 6156860 A	20001205	Surface active agent containing fluorine and coating compositions using the same	526/245	526/250	Tanaka; Kazunori et al.
US 6156592 A	20001205	Method of manufacturing a semiconductor device containing CMOS elements	438/199	257/E21.636; 438/303; 438/592	Kato; Juri et al.
US 6153295 A	20001128	Magnetic recording medium	428/323	428/328; 428/425.9; 428/844.71; 428/900	Nishizawa; Akinori et al.
US 6151072 A	20001121	Method of controlling automatic focusing in a video camera for different ambient light conditions	348/353	348/229.1	Tanaka; Kazuhisa
US 6150196 A	20001121	Method of manufacturing automobile AC generator and method of manufacturing rectifier used in automobile AC generator	438/122	257/E25.026; 29/829; 29/831; 310/64; 310/68D	Tanaka; Kazunori et al.
US 6145278 A	20001114	Tape packing method	53/430	53/116; 53/118	Tanaka; Kazuyoshi
US 6137559 A	20001024	Method of manufacturing a liquid crystal display device using an airtight seal pattern	349/153	349/190	Tanaka; Kazunari et al.
US 6134431 A	20001017	Personal station authentication system and authentication method	455/411	380/247; 713/155	Matsumoto; Nori-hisa et al.
US 6133814 A	20001017	Oxide superconductor wire material and method for joining the same together	335/216	174/125.1; 505/100; 505/879;	Okada; Michiya et al.

				505/884; 505/887	
US 6121596 A	20000919	Cooking appliance than can detect temperature of foodstuff using infrared sensor	219/711	219/494; 219/710; 219/754; 374/149; 99/325	Taino; Kazuo et al.
US 6117686 A	20000912	Method for detecting harmful gases which is applicable to broad gas concentration range	436/167	436/100; 436/101; 436/124; 436/127; 436/163; 436/164; 436/171; 436/181	Tanaka; Kazunari et al.
US 6115434 A	20000905	Data match detecting apparatus, and data selecting apparatus	375/340		Mizobata; Norihiko et al.
US 6115430 A	20000905	Differentiating circuit and clock generator circuit using the differentiating circuit	375/318	327/359	Tanaka; Kazuo et al.
US 6103669 A	20000815	Superconducting wire and method of producing the same	505/430	257/E39.018; 29/599; 505/433	Okayama; Akira et al.
US 6100613 A	20000808	Compact rectifier used in automobile AC generator	310/68D	257/E25.023; 310/68R; 310/71	Tanaka; Kazunori et al.
US 6100589 A	20000808	Semiconductor device and a method for making the same that provide arrangement of a connecting region for an external connecting terminal	257/758	257/750; 257/763; 257/786; 257/E23.02; 257/E23.152; 257/E23.194	Tanaka; Kazuo
US 6096557 A	20000801	Gas detection method and apparatus using gas reactive pigment	436/100	422/82.06; 422/82.07; 436/101; 436/116; 436/124; 436/166; 436/169; 436/172	Tanaka; Kazunari et al.
US 6094521 A	20000725	Information processing system	386/44	386/32	Okayama; Masataka et al.
US 6094314 A	20000725	Zoom lens system	359/689	359/691	Tanaka; Kazuyuki
US 6094234	20000725	Method of and an apparatus	348/700		Nonomura;

A		for decoding video data			Itaru et al.
US 6085000 A	20000704	Wavelength division multiplexing optical device and manufacturing method therefor	385/45	385/50	Tanaka; Kazuhiro et al.
US 6081016 A	20000627	CMOS device with improved wiring density	257/377	257/369; 257/E21.165; 257/E21.59; 257/E21.661; 257/E27.099; 438/199; 438/219	Tanaka; Kazuo et al.
US 6074893 A	20000613	Process for forming fine thick-film conductor patterns	438/106	29/877; 29/878; 438/107; 438/110; 438/113; 438/460	Nakata; Yoshikazu et al.
US 6072129 A	20000606	Impact detecting apparatus	200/61.45R	200/61.5	Ishikawa; Masanobu et al.
US 6065362 A	20000523	Sealed-type wave gear device	74/460		Kiyosawa; Yoshihide et al.
US 6065001 A	20000516	Information associating apparatus and method	707/3		Ohkubo; Masaaki et al.
US 6063938 A	20000516	Process for producing .epsilon.-caprolactone	549/273		Tanaka; Kazuo et al.
US 6049638 A	20000411	Photodetector module	385/14	257/E31.038; 257/E31.061; 257/E31.128	Norimatsu; Masaaki et al.
US 6040426 A	20000321	Human Th2 specific protein	530/350		Ogawa; Kazuyuki et al.
US 6023520 A	20000208	Method and apparatus for detecting and displaying a representative image of a shot of short duration in a moving image	382/107	382/236	Nagasaka; Akio et al.
US 6020927 A	20000201	Video signal format converter	348/458	348/536	Tanaka; Kazuhito et al.
US 6018077 A	20000125	Process for producing 2,6-naphthalenedicarboxylic acid	562/414	562/412	Ohkoshi; Fumio et al.
US 6013831 A	20000111	Processes for the production of high-purity dimethyl 2, 6-naphthalenedicarboxylate and naphthalenedicarboxylic acid	560/78		Machida; Hiroshi et al.

US 6013362 A	20000111	Soundproof material	428/304.4	181/201; 181/202; 360/133; 360/900	Takahashi; Nobuyuki et al.
US 6012237 A	20000111	Multiple jointed back support system for a snowboard boot	36/118.2	36/117.1; 36/118.9	Okajima; Shinpei et al.
US 6009088 A	19991228	Mobile wireless data communications system	370/338	370/401; 455/445	Taguchi; Tsutomu et al.
US 6006728 A	19991228	Fuel injection system of engine for models	123/472	251/129.17	Matsuda; Norio et al.
US 5994565 A	19991130	Process for producing purified .epsilon.-caprolactone	549/272		Tanaka; Kazuo et al.
US 5989426 A	19991123	Osmosis membrane	210/500.38	210/257.2; 210/490; 210/500.37	Hirose; Masahiko et al.
US 5982979 A	19991109	Video retrieving method and apparatus	386/69	348/563; 386/52	Omata; Mitsuteru et al.
US 5975055 A	19991102	Engine for models	123/472	123/531; 123/DIG.3	Matsuda; Norio et al.
US 5965856 A	19991012	Pressure sensitive switch	200/85A	200/514	Okada; Shoji et al.
US 5962319 A	19991005	Human-Th1-specific protein, gene encoding the protein, transformants, recombinant vectors, and antibodies related to the gene	435/325	435/320.1; 530/350; 530/395; 536/23.5	Ogawa; Kazuyuki et al.
US 5962309 A	19991005	Extruded foamed polyolefin resin carrier for microorganisms in a fluidized bed	435/299.1	210/615; 210/616; 210/617; 435/180; 435/182; 435/262; 435/262.5; 435/289.1	Kumagai; Shinya et al.
US 5961902 A	19991005	Manufacturing method for molded multilayer article	264/45.9	156/79; 264/163; 264/46.4; 264/46.5; 264/46.8; 264/571	Ishitoya; Katsunori et al.
US 5960141 A	19990928	Optical transmission terminal device	385/88		Sasaki; Seimi et al.
US 5952237 A	19990914	Method for detecting harmful gases which is applicable to broad gas concentration range	436/101	436/100; 436/124; 436/127; 436/163;	Tanaka; Kazunari et al.

				436/164; 436/167; 436/171	
US 5931836 A	19990803	Electrosurgery apparatus and medical apparatus combined with the same	606/38	606/34; 606/42; 606/45	Hatta; Shinji et al.
US 5929084 A	19990727	Huperzine A derivatives, their preparation and their use	514/295	546/93; 546/97	Zhu; Dayuan et al.
US 5920465 A	19990706	Connecting structure between flexible printed circuit board and hard printed circuit board	361/784	361/749; 361/803; 439/67	Tanaka; Kazuhisa
US 5915821 A	19990629	Snowboard boot	36/117.1	36/118.2; 36/118.7; 36/118.8; 36/118.9	Okajima; Shinpei et al.
US 5915027 A	19990622	Digital watermarking	380/54		Cox; Ingemar J. et al.
US 5912697 A	19990615	Video mail system capable of transferring large quantities of data without hampering other data transmissions	725/114	358/402; 709/219; 725/131	Hashimoto; Shinichi et al.
US 5910105 A	19990608	Control handle for an endoscope	600/131	600/104; 606/139	Swain; Paul et al.
US 5909759 A	19990608	Stowable nesting handle construction	16/110.1	16/426	Tanaka; Kazuna et al.
US 5899575 A	19990504	Video capture device, video recording/playing apparatus having the video capture device attached thereto, and video input device	386/46	386/109; 386/117	Okayama; Masataka et al.
US 5898252 A	19990427	Dynamoelectric machine rotor and method for preparing it	310/214	29/596; 29/598; 310/194; 310/208; 310/43	Tanaka; Kazunori et al.
US 5895900 A	19990420	Pressure sensitive seat switch with air vent passages	200/85R	200/306; 200/86R	Okada; Shoji et al.
US 5895820 A	19990420	Process for the production of trimellitic acid and process for the production of trimellitic acid anhydride	549/245	562/414; 562/416; 562/487	Tanaka; Kazuo et al.
US 5893143 A	19990406	Parallel processing unit with cache memories storing NO-OP mask bits for instructions	711/120	711/125; 711/128; 712/215; 712/24	Tanaka; Kazuhiko et al.
US 5882917	19990316	Method for survival of foreign	435/262	210/600;	Sakuranaga;

A		microorganism and method for remedying environment by using it		210/601; 435/243; 435/262.5; 435/822	Masanori et al.
US 5879979 A	19990309	Method of manufacturing a semiconductor device containing CMOS elements	438/218	257/E21.636; 257/E29.156; 438/227; 438/232	Kato; Juri et al.
US 5879813 A	19990309	Multi-layered film	428/483	428/480; 428/523; 428/704; 428/910; 524/154	Tanaka; Kazunori et al.
US 5874365 A	19990223	Semiconductor wafer etching method	438/747	216/46; 216/90; 257/E21.223; 257/E21.254; 257/E21.26; 438/752	Tomita; Masahiro et al.
US 5872964 A	19990216	Comparison operating unit and graphic operating system	712/234	345/506	Ishiguro; Masao et al.
US 5870618 A	19990209	Processor and data processor	712/1	712/23; 712/24	Fujikawa; Yoshifumi et al.
US 5866003 A	19990202	Apparatus for degrading pollutant, process for purifying contaminated medium and process for degrading pollutant	210/610	210/199; 210/205; 210/206; 210/620; 210/631	Okubo; Yukitoshi et al.
US 5855851 A	19990105	Apparatus for transferring liquid having liquid level sensing function	422/100	141/130; 141/96; 436/54; 73/864.01; 73/864.24	Matsubara; Shigeki et al.
US 5847262 A	19981208	Impact detecting apparatus	73/11.01	200/61.45R; 73/514.16	Ito; Koji et al.
US 5846730 A	19981208	Labelled complex	435/6	435/7.2	Miyazaki; Takeshi et al.
US 5845421 A	19981208	Snowboard shoes and cycle shoes having an intermediate sole layer	36/117.3	36/115; 36/131	Tanaka; Kazuki
US 5843351 A	19981201	Highly permeable composite reverse osmosis membrane, method of producing the same	264/45.1	210/490; 210/500.38; 264/41; 264/48	Hirose; Masahiko et al.
US 5841535	19981124	Multiaxis distance measuring	356/493	356/498	Aoki; Tatsuya

A		device requiring alignment along only one axis			et al.
US 5841414 A	19981124	Liquid crystal display device	345/87	345/206	Tanaka; Kazuo
US 5834704 A	19981110	Pattern structure of flexible printed circuit board	174/254	361/749; 428/901	Tanaka; Kazuhisa
US 5828456 A	19981027	Multiaxis laser interferometry distance measuring device	356/500		Aoki; Tatsuya et al.
US 5817711 A	19981006	Aqueous working liquid composition for wire saw	524/501	508/172; 508/174; 508/175; 508/179; 524/115; 524/155; 524/186; 524/220; 524/221; 524/313; 524/404; 524/414; 524/417; 524/433; 524/447; 524/499	Kambe; Takashi et al.
US 5815696 A	19980929	Pipeline processor including interrupt control system for accurately perform interrupt processing even applied to VLIW and delay branch instruction in delay slot	712/233	712/244	Tanaka; Kazuhiko et al.
US 5808740 A	19980915	Multiaxis distance measurement device for NC machine tools	356/493		Tanaka; Kazunori et al.
US 5805684 A	19980908	Communication terminal device	379/142.06	370/271; 379/355.01	Hirose; Ryota et al.
US 5805328 A	19980908	Driving circuit for an optical signal modulator	359/245		Satoh; Hideaki et al.
US 5802202 A	19980901	Method of determining three dimensional position of object and apparatus therefor	382/154		Yamada; Naoki et al.
US 5798863 A	19980825	Image stabilized optical system	359/557	359/554	Udagawa; Tetsuo et al.
US 5798312 A	19980825	Elongate superconductor elements comprising oxide superconductors, superconducting coils and	505/230	174/125.1; 257/E39.018; 428/372; 428/375;	Okada; Michiya et al.

		methods of making such elements		428/702; 428/930; 505/234; 505/236; 505/239; 505/704; 505/705	
US 5796435 A	19980818	Image coding system with adaptive spatial frequency and quantization step and method thereof	375/240.03	375/240.16	Nonomura; Itaru et al.
US 5788819 A	19980804	Method for driving liquid, and method and apparatus for mixing and agitation employing the method	205/155	417/50; 417/53; 417/54; 417/55	Onishi; Toshikazu et al.
US 5783807 A	19980721	Cooking device for appropriately processing pre-cooked frozen food	219/685	219/703; 219/705; 219/707; 219/710; 219/719; 99/325	Uehashi; Hiroyuki et al.
US D395456 S	19980623	Color sample display panel	D20/42	D20/44; D25/119	Ito; Yukinobu et al.
US 5764418 A	19980609	Eyepiece system	359/646	359/717	Sato; Tomoko et al.
US 5764343 A	19980609	Optical element	356/3.03	359/558; 396/111	Tanaka; Kazuyuki
US 5757102 A	19980526	Rotator for dynamoelectric machine and its manufacturing method	310/263	29/596; 29/598; 310/42; 310/45	Adachi; Katsumi et al.
US 5739966 A	19980414	Imaging lens system	359/779	359/663; 359/715; 359/740; 359/753	Tanaka; Kazuyuki
US 5729063 A	19980317	Vehicle AC generator	310/68D	310/64	Adachi; Katsumi et al.
US 5727104 A	19980310	Optical transmission module and a method of producing the same	385/92	385/94	Sasaki; Seimi et al.
US 5719027 A	19980217	Labeled complex and method of analysis therewith	435/6	435/7.1; 436/173; 436/501; 436/518; 436/538; 436/546;	Miyazaki; Takeshi et al.



				436/800; 436/825	
US 5715075 A	19980203	Optical processing device operating in a wavelength-synchronized mode and an optical circuit exchanger that uses such an optical processing device	398/48	398/85	Tanaka; Kazuhiro et al.
US 5711246 A	19980127	System for identifying livestock and other individuals	119/51.02	119/719; 119/720; 119/908	Yano; Tomoji et al.
US 5705089 A	19980106	Cleaning fluid for semiconductor substrate	252/79.1	252/79.2; 252/79.3; 252/79.4; 252/79.5; 257/E21.228	Sugihara; Yasuo et al.
US 5703659 A	19971230	Method of reducing and magnifying picture size of a video composite signal	348/576	348/562; 348/582	Tanaka; Kazuyoshi
US 5700647 A	19971223	Carbocation containing cyanine-type dye	435/6	430/93; 436/139; 585/16; 585/406	Miyazaki; Takeshi et al.
US 5689481 A	19971118	Method of accessing multiframe storage medium and library system	369/30.06	369/30.43	Tamura; Akiyori et al.
US 5685944 A	19971111	Film transfer apparatus and a film transfer roller used therein	156/540	156/577; 156/578; 156/579	Nose; Masahisa et al.
US 5682549 A	19971028	Image data management system for accessing image data from communication network by reading file name information stored in an IC card	710/8	709/229; 726/9	Tanaka; Kazuaki et al.
US 5682070 A	19971028	Vehicle-mounted alternator	310/71	310/68D; 310/68R; 363/142; 363/146	Adachi; Katsumi et al.
US 5679581 A	19971021	Method for measuring an immunologically active material and apparatus suitable for practicing said method	436/517	436/164; 436/518; 436/531; 436/533; 436/64; 436/65; 436/805;	Miyazaki; Takeshi et al.

				436/813; 436/814	
US 5677024 A	19971014	Laminate having improved polarization characteristics and release film used therefor	428/40.1	428/1.54; 428/352; 428/354; 428/41.7; 428/41.8; 428/480; 428/483	Abe; Reizo et al.
US 5668703 A	19970916	Boost converter for driving a capacitive load	363/16	323/222; 323/282; 363/24	Rossi; Domenico et al.
US 5661329 A	19970826	Semiconductor integrated circuit device including an improved separating groove arrangement	257/510	257/347; 257/506; 257/513; 257/517; 257/E21.703; 257/E27.112	Hiramoto; Toshiro et al.
US 5661307 A	19970826	Electron beam lithography system	250/492.2	250/398	Tanaka; Kazumitsu et al.
US 5658795 A	19970819	Method for biodegradation of polluting substance	435/262.5	435/262; 435/267	Kato; Kinya et al.
US 5657144 A	19970812	Optical processing device operating in a wavelength-synchronized mode and an optical circuit exchanger that uses such an optical processing device	398/48	398/50	Tanaka; Kazuhiro et al.
US 5654730 A	19970805	Liquid crystal display device	345/87	349/139	Tanaka; Kazuo
US 5654528 A	19970805	Flexible printed circuit	174/266	174/254; 174/262; 174/265	Tanaka; Kazuhisa
US D381747 S	19970729	Debrider instrument	D24/146		Kapec; Jeffrey et al.
US D381648 S	19970729	Video information processing terminal	D14/125		Tanaka; Kazuyoshi et al.
US 5648322 A	19970715	Tl-based superconductive material, a superconductive body, and a method of forming such a superconductive material or body	505/501	252/519.13; 252/519.15; 505/450; 505/783	Doi; Toshiya et al.
US 5642520	19970624	Method and apparatus for	704/3	715/531	Takeshita;

A		recognizing topic structure of language data			Atsushi et al.
US 5641983 A	19970624	Semiconductor device having a gate electrode having a low dopant concentration	257/412	257/369; 257/413; 257/755; 257/E21.636; 257/E29.152; 257/E29.156	Kato; Juri et al.
US 5641450 A	19970624	Process of making a module including a polysulphonic hollow fiber membrane	264/473	264/150; 264/178F; 264/184; 264/209.1; 264/250; 264/261; 264/41	Kobayashi; Takuichi et al.
US 5640387 A	19970617	Digital loop carrier apparatus for large volume digital signal transmission	370/359	370/376; 370/467; 370/523; 370/528	Takahashi; Shigeki et al.
US 5639994 A	19970617	Flexible printed circuit	174/254	174/250	Tanaka; Kazuhisa
US 5616317 A	19970401	Polycationic polymer and polycationic microbicidal and algaecidal agent	424/78.3	422/16; 422/6; 424/78.36; 427/332; 504/155; 514/332; 514/334	Nagase; Yu et al.
US 5614165 A	19970325	Process for purification of hydrogen peroxide	423/584		Sugihara; Yasuo et al.
US 5614099 A	19970325	Highly permeable composite reverse osmosis membrane, method of producing the same, and method of using the same	210/653	210/490; 210/500.37; 210/500.38; 210/641; 210/652	Hirose; Masahiko et al.
US 5613999 A	19970325	Method for producing magnesium	75/603	420/411	Nakamura; Tadayoshi et al.
US 5612557 A	19970318	Semiconductor device having an inter-layer insulating film disposed between two wiring layers	257/288	257/750; 257/758; 257/E21.576; 257/E23.16; 257/E23.164; 257/E27.102; 257/E29.128	Kondo; Toshihiko et al.
US 5612432	19970318	Sheetlike article for optical	526/262	526/321;	Taniguchi;

A		use		526/328.5; 526/336; 526/347	Takashi et al.
US 5602681 A	19970211	Lens barrel for a video camera, and linear feeding system thereof	359/698	324/207.21; 359/696; 359/697; 359/824	Nakayama; Akihito et al.
US 5601983 A	19970211	Method for specimen measurement	435/6	356/337; 356/441; 435/7.1; 435/961; 435/968; 436/172; 436/518; 436/524; 436/528; 436/533; 436/536; 436/542; 436/800; 436/804; 436/805; 436/823	Takayama; Hidehito et al.
US 5599502 A	19970204	Liquid moving apparatus and measuring apparatus utilizing the same	422/82.01	356/410; 422/82.04; 422/82.05; 422/82.06	Miyazaki; Takeshi et al.
US 5597943 A	19970128	Phospholipase A.sub.2 inhibitor	560/42	549/305; 549/393; 560/11; 560/18; 560/57; 560/64; 560/65; 560/72; 560/73; 560/84; 560/85; 560/86	Ohtani; Mitsuaki et al.
US 5589596 A	19961231	Process for producing amines	564/446	546/244; 548/408	Furutani; Atsushi et al.
US 5588745 A	19961231	Methods and apparatus for mixing bone cement components using an evacuated mixing chamber	366/130	206/222; 366/139; 366/163.1; 366/178.2	Tanaka; Kazuna et al.
US 5576415	19961119	Method for drying polyamide	528/310	528/331;	Tanaka;

A		and method for solid-phase polymerization of polyamide		528/335; 528/347; 528/480; 528/502C	Kazumi
US 5567796 A	19961022	Polyester fiber	528/272	428/364; 428/373	Nakatsukasa; Sigeki et al.
US 5558340 A	19960924	Game machine	273/448	221/87	Ibe; Takaya et al.
US 5553595 A	19960910	Fuel system with fuel vapor estimating feature	123/648		Nishioka; Futoshi et al.
US 5545460 A	19960813	Methods and apparatus for preparing and delivering bone cement	428/137	222/145.6; 222/541.2; 525/265; 525/308; 525/309	Tanaka; Kazuna et al.
US 5534441 A	19960709	Optically measuring an immunologically active material by degree of agglutination of an antigen-antibody reaction product	436/517	436/164; 436/518; 436/531; 436/533; 436/64; 436/65; 436/805; 436/813; 436/814	Miyazaki; Takeshi et al.
US 5529154 A	19960625	Valve structure for damper	188/282.6	188/280	Tanaka; Kazuhiko
US 5524257 A	19960604	Method of parallel processing for inference and a system therefor	706/10	706/48; 712/28	Koike; Hiroshi et al.
US 5523861 A	19960604	Image reader capable of setting density and illumination	358/475	358/447; 358/461	Tanaka; Kazuki et al.
US 5522090 A	19960528	Magnetic tape library system wherein write request to a storage unit to be mounted is redirected to a temporary device, and then transferred to the storage unit at an arbitrary time later when the unit is mounted	710/74	711/165	Tanaka; Kazuaki et al.
US 5512446 A	19960430	Labeled complex	435/7.2	435/6; 435/7.1; 585/26	Miyazaki; Takeshi et al.
US 5506843 A	19960409	Subscriber group digital transmitter	370/376	370/377; 370/522	Tanaka; Kazuo
US 5503726	19960402	Plating apparatus	204/222	204/273	Hamada;

A					Kunihiko et al.
US 5495105 A	19960227	Method and apparatus for particle manipulation, and measuring apparatus utilizing the same	250/251	250/222.2; 356/335; 356/338; 356/343; 356/39	Nishimura; Matsuomi et al.
US 5480953 A	19960102	Hydrophilic material and semipermeable membrane made therefrom	526/320	526/329.5; 526/329.6	Sugaya; Hiroyuki et al.
US 5479534 A	19951226	Image reading apparatus	382/167	358/518; 358/525	Tanaka; Kazuyoshi et al.
US 5477268 A	19951219	Method of and apparatus for finishing a surface of workpiece	348/128	348/125; 348/92	Shimbara; Yoshimi et al.
US 5473682 A	19951205	Automatic signalling-system switching device for digital line circuit device in subscriber system	379/372	379/377; 379/399.02	Tanaka; Kazuo
US 5473096 A	19951205	Substituted benzoate derivatives	560/39	560/27; 560/42	Matsutani; Shigeru et al.
US 5467202 A	19951114	Digital copying apparatus with a display	358/448	358/404; 358/500; 358/530	Washio; Koji et al.
US 5466939 A	19951114	Nuclear medicine imaging apparatus	250/363.04	250/363.07; 250/363.09	Kumazawa; Yoshihiko et al.
US 5464695 A	19951107	Composite fiber containing inorganic fine powder	428/370	428/373; 428/374; 524/350	Kawamoto; Masao et al.
US 5464288 A	19951107	Linear motion rolling guide unit	384/15	384/45	Tanaka; Kazuhiko
US 5462922 A	19951031	Superconductive material, a superconductive body, and a method of forming such a superconductive material or body	505/120	252/519.1; 252/519.13; 252/519.15; 257/E39.01; 505/100; 505/704; 505/740; 505/783; 505/785	Doi; Toshiya et al.
US 5454050 A	19950926	Cut mask preparation method and apparatus	382/165	382/171; 382/199	Nakabayashi; Natsuko et al.
US 5443182 A	19950822	Methods and apparatus for preparing and delivering bone cement	222/137	222/129; 222/145.6; 222/541.2;	Tanaka; Kazuna et al.

				366/130; 366/139; 366/163.1	
US 5436068 A	19950725	Selectively transmissive polysulfonic hollow fiber membrane	428/308.4	210/500.23; 210/500.41; 210/504; 428/398	Kobayashi; Takuichi et al.
US 5435623 A	19950725	Interactive seating device	297/339	297/284.11; 297/344.19	Kapec; Jeffrey et al.
US 5434938 A	19950718	Direct drive guide unit	385/44		Tanaka; Kazuhiko
US 5427959 A	19950627	Apparatus and method for measuring specimen	436/534	356/244; 356/246; 422/101; 422/102; 422/58; 422/72; 422/73; 436/164; 436/165; 436/172; 436/531; 436/533; 436/536; 436/538; 436/541; 436/805; 436/807; 436/808; 436/809; 436/810; 436/824; 436/908	Nishimura; Matsuomi et al.
US 5400572 A	19950328	Poop scooping and packaging assembly	53/459	294/1.3; 294/1.4; 53/390; 53/393	Peck; Joel S. et al.
US 5395309 A	19950307	Nasal pack applicator	604/18	604/11; 604/12; 604/13; 604/15; 604/2; 604/904	Tanaka; Kazuna et al.
US 5387368 A	19950207	Oxygen-scavenging composition	252/188.28	252/384; 252/389.2; 252/390;	Nishimura; Toshiaki et al.

				252/394; 525/371; 564/306	
US 5380490 A	19950110	Apparatus for measuring a test specimen	422/73	204/400; 324/692; 324/693; 324/724; 422/55; 422/68.1; 422/76; 422/82.01	Hoshi; Hiroaki et al.
US 5380097 A	19950110	Linear motion rolling guide unit with open-close plugs in the branching oil grooves	384/13	384/44; 384/45	Tanaka; Kazuhiko
US 5380096 A	19950110	Linear motion rolling guide unit with flow valve in communicating oil groove	384/13	384/44; 384/45	Tanaka; Kazuhiko
US 5377352 A	19941227	Method of scheduling tasks with priority to interrupted task locking shared resource	718/103	712/244; 718/107	Tanaka; Kazuaki et al.
US 5375237 A	19941220	Computerized method of creating a convenient dictionary representing data structures for use by a plurality of program products	707/102	707/104.1; 707/203	Tanaka; Kazuaki et al.
US 5370842 A	19941206	Sample measuring device and sample measuring system	422/82.06	356/410; 422/100; 422/82.04; 422/82.05; 422/930; 422/947	Miyazaki; Takeshi et al.
US 5369507 A	19941129	Image processing apparatus and method capable of discriminating between character/photograph areas by finding blank-stripe zones and dividing the areas into blocks	358/462	382/180	Tanaka; Kazuyoshi et al.
US 5366858 A	19941122	Method of and apparatus for detecting microorganisms	435/5	435/7.1; 435/7.21; 435/7.32; 436/517	Koizumi; Naohisa et al.
US 5357017 A	19941018	Macrocyclic poly-conjugated system and macrocyclic poly-conjugated composition	528/15	526/279; 528/25; 528/26; 528/28; 528/33;	Nakajima; Keizo et al.



				528/395; 528/397	
US 5355475 A	19941011	Method of relocating file and system therefor	707/205	711/117	Tanaka; Kazuaki et al.
US 5354795 A	19941011	Polypropylene resin composition having improved coating property	524/102	524/103; 524/291; 524/401; 524/418; 524/427; 524/433; 524/437; 524/451; 524/94; 524/99	Ueno; Kohhei et al.
US 5354542 A	19941011	Movable tank type multi-purpose batch production system	422/187	15/56; 422/188; 422/236; 422/237; 99/371	Tanaka; Kazuo et al.
US 5342480 A	19940830	Method of manufacturing a semiconductor integrated circuit device	438/164	257/E21.548; 257/E21.695; 257/E27.092; 438/248; 438/296; 438/311; 438/359; 438/427; 438/433; 438/699	Nishizawa; Hirotaka et al.
US 5340650 A	19940823	Vinyl alcohol units-containing polymer composite fiber having resistance to hot water and wet heat and process for its production	428/373	442/166; 442/197; 442/334; 442/401; 525/57; 525/58; 57/243; 57/244; 57/255	Hirakawa; Kiyoshi et al.
US 5331169 A	19940719	Surface inspection method and device with irradiation	250/372	250/358.1; 356/237.2	Tanaka; Kazumoto et al.
US 5329910 A	19940719	Efficient auxiliary engine combustion system	123/536	123/538; 123/539	Tanaka; Kazuo
US 5321835 A	19940614	Method of controlling execution of jobs and system for the same	718/101	714/48; 718/104; 718/106	Tanaka; Kazuaki et al.

US 5321832 A	19940614	System of database copy operations using a virtual page control table to map log data into physical store order	707/204	711/206; 711/4	Tanaka; Kazuaki et al.
US 5320122 A	19940614	Combined walker and wheelchair	135/66	135/67; 280/304.1; 297/344.12; 297/6; 297/DIG.10; D12/130	Jacobson, II; Julius H. et al.
US 5318845 A	19940607	Conductive composite filament and process for producing the same	428/373	428/372; 428/399; 57/210; 57/227; 57/228; 57/244; 57/245; 57/905	Tanaka; Kazuhiko et al.
US 5315634 A	19940524	Automatic trading method and apparatus	379/93.02		Tanaka; Kazuaki et al.
US 5308164 A	19940503	Linear motion rolling guide unit	384/13	384/44	Tanaka; Kazuhiko
US 5307339 A	19940426	Translating apparatus for an optical pickup device	720/664	74/89.17	Tanaka; Kazuhiro
US 5304420 A	19940419	Vinyl alcohol unit-containing polymer fibers having high moisture absorption and high water absorption	428/373	442/199; 442/361; 524/503; 525/57; 525/58	Hirakawa; Kiyoshi et al.
US 5302311 A	19940412	Cleaning solution of semiconductor substrate	510/175	252/186.29; 257/E21.228; 423/272; 423/584; 510/372; 510/469	Sugihara; Yasuo et al.
US 5294495 A	19940315	Magnetic recording medium	428/844.3	428/329	Kuroda; Kazuhiro et al.
US 5278321 A	19940111	Process for simultaneously producing lactone and aromatic carboxylic acid	549/272	549/273; 549/295; 549/324; 549/328; 562/408; 562/412	Tanaka; Toru et al.
US 5274280 A	19931228	Semiconductor integrated circuit device having separate supply voltages for the logic	327/70	326/21; 327/530	Ito; Yuko et al.

		stage and output stage			
US 5273367 A	19931228	Linear motion rolling guide unit and a vibration isolation apparatus used in the unit	384/45	384/25; 384/54	Tanaka; Kazuhiko
US 5268970 A	19931207	Anti-vibration linear motion guide unit	384/43	384/25	Tanaka; Kazuhiko
US D341588 S	19931123	Radio portable phone	D14/138		Nagai; Michio et al.
US 5255308 A	19931019	Wide area cordless telephone system capable of receiving incoming group address calls	455/463		Hashimoto; Tadao et al.
US 5254249 A	19931019	Anti-thrombogenic blood treating system	210/321.62	210/321.8; 210/500.23; 210/500.24; 210/500.36; 422/44	Terada; Ryoza et al.
US 5251258 A	19931005	Key distribution system for distributing a cipher key between two subsystems by one-way communication	380/282	380/30; 380/44; 713/152; 713/171	Tanaka; Kazue
US 5250977 A	19931005	Electronic flash unit	396/206	315/241P	Tanaka; Kazuo
US 5249007 A	19930928	Strobe apparatus	396/205	315/241P	Tanaka; Kazuo
US 5247793 A	19930928	Exhaust purification system for multiple cylinder engines	60/276	123/688; 123/691; 123/692; 60/277	Yamada; Hideki et al.
US 5247003 A	19930921	Ethylene-propylene copolymer based resin composition suitable for automobile bumpers	524/451	524/505; 525/98	Terada; Masahiro et al.
US 5238730 A	19930824	Electrical laminate with dibasic acid-modified epoxy (meth)acrylate	442/85	442/117; 442/126; 442/141; 442/146; 525/438; 525/65	Hanawa; Akinori et al.
US 5237404 A	19930817	Inspection apparatus with improved detection of surface defects over large and curved surfaces	348/128	356/613	Tanaka; Kazumoto et al.
US 5237400 A	19930817	Compact color image processing apparatus with enhanced density conversion	358/518	358/516	Washio; Koji et al.
US 5237092	19930817	Process for concurrently	560/238	560/101;	Tanaka; Toru

A		producing aryl formate and aromatic carboxylic acid		560/103; 560/254; 560/64; 560/71; 562/421; 562/469; 562/473; 562/490; 562/492; 562/493; 562/5	et al.
US D338002 S	19930803	Scanner	D14/429		Kapec; Jeffrey et al.
US 5217405 A	19930608	Heater unit structure of air mixing apparatus for automotive vehicle	454/121	454/126; 454/160; 454/161	Tanaka; Kazumasa
US 5211603 A	19930518	Air induction device for use in motor vehicle	454/139		Tanaka; Kazumasa et al.
US 5209688 A	19930511	Plasma display panel	445/24	430/315; 445/49	Nishigaki; Susumu et al.
US D334522 S	19930406	Portable electric saw	D8/64		Ogawa; Yasunori et al.
US 5195574 A	19930323	Automobile air conditioning system	165/203	165/42; 165/43; 454/70; 454/75; 62/244	Tanaka; Kazumasa et al.
US 5193914 A	19930316	Quad guide way indefinite linear motion guide unit	384/45	384/44	Tanaka; Kazuhiko
US 5191402 A	19930302	Semiconductor device having an inter-layer insulating film disposed between two wiring layers	257/288	257/750; 257/758; 257/E21.576; 257/E23.16; 257/E23.164; 257/E27.102; 257/E29.128	Kondo; Toshihiko et al.
US 5190378 A	19930302	Linear motion rolling contact guide unit having an asymmetrical guide channel	384/49	384/45	Tanaka; Kazuhiko
US 5189209 A	19930223	Process for producing highly pure isophthalic acid	562/414	562/487	Ohta; Tazuo et al.
US 5184146 A	19930202	Color image forming method and apparatus	347/232	358/296; 358/500	Tanaka; Kazuyoshi et al.
US 5182788	19930126	Optical bandpass filter having	385/131	257/14;	Tanaka;

A		a variable passband wavelength		359/885; 359/890; 372/45.013; 372/50.1; 372/7; 385/130; 385/14	Kazuhiro
US 5180953 A	19930119	Strobo device	315/241S	396/156	Hirata; Shinji et al.
US 5179615 A	19930112	Optical waveguide having a variable refractive index and an optical laser having such an optical waveguide	385/131	257/12; 257/13; 257/9; 372/44.01; 372/45.012; 372/46.01; 372/7; 385/132; 385/14	Tanaka; Kazuhiro et al.
US 5178945 A	19930112	Polyester fiber having durable water absorbent property	428/364	428/359; 428/373; 428/374	Kawamoto; Masao et al.
US 5173922 A	19921222	Temperature flow measuring sensor holder	374/135	374/144; 73/204.25; 73/23.25	Arakawa; Hidenobu et al.
US 5173805 A	19921222	Focusing method for zoom lens	359/676	359/694	Tanaka; Kazuo et al.
US 5171969 A	19921215	Movable film fixing device with heater control responsive to selected sheet size	219/216	399/328	Nishimura; Matsuomi et al.
US 5153066 A	19921006	Temperature-sensitive color-changeable composite fiber	428/373	428/11; 428/26; 428/4; 428/906.6; 428/913	Tanaka; Kazuhiko et al.
US 5146003 A	19920908	3-amino-2-hydroxybornane derivatives, asymmetric Michael reaction using the same, and process for preparing optically active muscone utilizing Michael reaction	568/350	568/347	Tanaka; Kazuhiko
US 5133820 A	19920728	Thermal transfer material	428/32.7	156/277; 427/146; 427/197; 427/256; 427/288;	Katayama; Masato et al.

				428/206; 428/327; 428/913; 428/914	
US 5132450 A	19920721	Process for producing high purity isophthalic acid	562/414	562/413; 562/416; 562/417; 562/485; 562/608	Tanaka; Kazuo et al.
US 5131005 A	19920714	Melting apparatus having double wall structure	373/27	373/119; 373/130; 373/142; 373/29; 373/30; 373/33; 373/39; 65/157; 65/335	Takajo; Toshi et al.
US 5129736 A	19920714	Indefinite linear motion guide unit having four endless circulating paths	384/45	384/44	Tanaka; Kazuhiko
US 5123754 A	19920623	Linear motion guide assembly having an increased load bearing capacity	384/45	384/43	Tanaka; Kazuhiko
US 5119207 A	19920602	Copier with image transfer region determination and selective sampling of image data thereof	358/296	358/401; 358/449; 358/451; 358/453; 358/462	Niitsuma; Tetsuya et al.
US 5109088 A	19920428	Resin composition for cement	526/273	526/281	Ohwada; Takeo et al.
US 5107292 A	19920421	Electronic flash unit	396/156	315/241P; 396/159	Tanaka; Kazuo et al.
US 5106676 A	19920421	Transfer medium for heat- sensitive transfer recording	428/212	428/195.1; 428/329; 428/331; 428/336; 428/913; 428/914	Sato; Hiroshi et al.
US 5106206 A	19920421	Linear motion guide unit manufactured from a resin	384/45		Tanaka; Kazuhiko
US 5101380 A	19920331	Semiconductor memory device	365/189.09	257/E27.102; 365/208; 365/210	Yasuda; Hirofumi et al.
US 5097808 A	19920324	Engine control system for internal combustion engine	123/339.11	123/339.16; 417/364	Tanaka; Kazuo et al.

US D324721 S	19920317	Water purifier	D23/209		Kapec; Jeffrey et al.
US 5092368 A	19920303	Cloth roller replacement system for weaving machine	139/1R	139/291C; 226/11; 242/533.2; 242/534.2; 414/911; 700/140	Tanaka; Kazuhiro et al.
US 5087519 A	19920211	Ethylene-vinyl alcohol copolymer composite fiber and production thereof	428/373	428/374; 428/397; 8/115.56	Yamaguchi; Shinji et al.
US 5084211 A	19920128	Anisotropically electroconductive adhesive	252/511	523/468; 524/495; 524/496	Kawaguchi; Toshiyuki et al.
US 5079718 A	19920107	Knowledge data management method and apparatus with cancel function	706/59		Tanaka; Kazuaki
US 5075762 A	19911224	Semiconductor device having an inter-layer insulating film disposed between two wiring layers and method of manufacturing the same	257/752	257/758; 257/E21.576; 257/E23.16; 257/E23.164; 257/E27.102; 257/E29.128	Kondo; Toshihiko et al.
US 5075718 A	19911224	Exposure apparatus	355/50	355/68	Suzuki; Shigeru et al.
US 5075404 A	19911224	Concrete-protective material	528/49	526/227; 526/301; 528/75	Ohwada; Takeo et al.
US 5069782 A	19911203	Fluid purification systems	210/192	210/259; 210/282; 210/459; 250/437; 422/186.3; 422/24	Moyher, Jr.; George C. et al.
US 5069088 A	19911203	Linear motion ball bearing	74/424.87	74/458	Tanaka; Kazuhiko
US 5065060 A	19911112	Flywheel type energy storage apparatus	310/74	310/113; 310/67R; 74/572.12	Takahashi; Isao et al.
US 5063970 A	19911112	Loom with device for automatically exchanging cloth beams	139/1R	139/291C; 139/291R; 242/533.3	Tanaka; Kazuhiro et al.
US 5063200 A	19911105	Ceramic superconductor article	505/230	428/688; 428/930; 505/237; 505/701;	Okada; Michiya et al.

				505/702; 505/703; 505/704	
US 5059819 A	19911022	Integrated logic circuit	327/202	326/48; 327/199	Tanaka; Kazuo et al.
US 5059482 A	19911022	Composite fiber and process for producing the same	428/373	428/364; 428/369; 428/370; 428/374; 428/397	Kawamoto; Masao et al.
US 5055710 A	19911008	Integrated logic circuit having plural input cells and flip-flop and output cells arranged in a cell block	326/47	326/101; 326/16; 326/46; 326/48; 326/93; 327/225; 377/81	Tanaka; Kazuo et al.
US 5047448 A	19910910	Antimicrobial-shaped article and a process for producing the same	523/122	428/397; 524/403; 524/439; 524/440; 524/605; 524/606	Tanaka; Kazuhiko et al.
US 5041152 A	19910820	Apparatus for bending tubular glass	65/163	65/108; 65/281; 65/292	Nishigaki; Noriaki et al.
US D319046 S	19910813	Desk top terminal having angularly adjustable display module	D14/334	D18/1	Kapec; Jeffrey et al.
US 5036127 A	19910730	Fiber-reinforced thermoplastic resin composition	524/423	524/432; 524/433	Ueno; Kouhei et al.
US 5029208 A	19910702	Cipher-key distribution system	380/279	380/30; 713/155	Tanaka; Kazue
US 5017308 A	19910521	Silicon thin film and method of producing the same	252/501.1	136/258; 148/33.2; 252/62.3E; 252/62.3R; 257/52; 257/E21.101; 257/E29.003; 257/E29.086; 427/255.393; 427/578; 428/620; 438/485;	Iijima; Shigeru et al.



				438/96; 438/97	
US 5016303 A	19910521	Cervical and head support pillow	5/636	D24/183	Tanaka; Kazuna et al.
US 5009949 A	19910423	Resin composition and electrical laminate obtained therefrom	442/117	442/150	Tanaka; Kazuyuki et al.
US 5001576 A	19910319	Image processor with improved discrimination between character image and tonal image	358/462	358/447	Tanaka; Kazuyoshi et al.
US D314607 S	19910212	Water purifier	D23/209		Kapec; Jeffrey et al.
US 4990409 A	19910205	Flame retardant electrical laminate	428/481	428/430; 428/436; 428/503; 428/530; 428/921	Tanaka; Kazuyuki et al.
US 4989644 A	19910205	Automatic mispicked weft yarn removal system for a fluid jet loom	139/116.2	139/435.4; 139/452	Tanaka; Kazuhiro et al.
US 4989167 A	19910129	Desktop computer terminal having an angularly adjustable electronic display module	361/681	361/680; 361/683	Kapec; Jeffrey et al.
US 4988652 A	19910129	Process for recovering catalyst for use in preparing .alpha.-(4-isobutylphenyl)propionic acid	502/24	423/140; 423/149; 502/20; 502/31; 502/34; 562/406	Shima; Yoshikazu et al.
US 4985510 A	19910115	Crystalline N-methoxymethylated nylon and nylon composition	525/427	428/474.4; 428/475.5; 428/476.3; 524/606; 525/420; 525/426	Akiyama; Setsuo et al.
US 4979109 A	19901218	Method of controlling a data dictionary directory system in a data base system	707/100	707/200	Tanaka; Kazuaki et al.
US 4974971 A	19901204	Small-sized linear motion guide assembly	384/45	384/43	Tanaka; Kazuhiko
US D312298 S	19901120	Hand held shower head	D23/226		Kapec; Jeffrey et al.
US 4969489 A	19901113	Weft threading system for fluid jet loom using the	139/450	139/116.2; 139/435.1;	Tanaka; Kazuhiro et al.

		storage drum winding arm		139/435.4; 139/452	
US 4951093 A	19900821	Developing unit for an electrostatic recording apparatus	399/119	399/350	Ishii; Kohji et al.
US 4947442 A	19900807	Method and apparatus for matching fingerprints	382/125		Tanaka; Kazue et al.
US 4941092 A	19900710	Signal processing method for determining base sequence of nucleic acid	382/129	250/583; 435/6	Hara; Makoto et al.
US 4937362 A	19900626	Process for production of .alpha.-(4-isobutylphenyl)propionic acid	562/406		Tanaka; Kazuo et al.
US 4936692 A	19900626	Rectilinear motion rolling guide unit	384/43		Tanaka; Kazuhiko
US D307601 S	19900501	Marking instrument	D19/43	D19/35; D19/49; D19/55	Poisson; Norman D. et al.
US D307444 S	19900424	Grip portion for a writing instrument	D19/55	401/199; 401/6; D19/41	Poisson; Norman D. et al.
US 4893055 A	19900109	Process for using unsaturated polyester resin composition for treating cathode-ray tubes and cathode tubes obtained thereby	313/479	220/2.1A; 313/477R; 313/480; 348/823; 348/824; 428/437; 525/46; 525/48	Fuzii; Tadashi et al.
US 4880324 A	19891114	Transfer method for heat-sensitive transfer recording	428/32.75	400/120.03; 400/241.1; 427/256; 428/216; 428/336; 428/412; 428/413; 428/447; 428/474.4; 428/475.5; 428/478.2; 428/480; 428/500; 428/524; 428/537.5; 428/913; 428/914	Sato; Hiroshi et al.

US 4859042 A	19890822	Zoom lens	359/684	359/687	Tanaka; Kazuo
US 4854681 A	19890808	Compact zoom lens	359/687		Kato; Masatake et al.
US 4846016 A	19890711	Direct-coupling/differential changeover transfer apparatus	475/250	180/247; 180/249; 475/280; 475/295; 74/473.1	Takeuchi; Kenji et al.
US 4843408 A	19890627	Thermal recording device	347/182	347/184; 358/296	Tanaka; Kazuyuki
US 4841342 A	19890620	Apparatus for treating photoresists	355/71	355/53	Suzuki; Shinji et al.
US 4837687 A	19890606	Method for analyzing an autoradiograph	250/580	204/461; 250/583	Tanaka; Kazuyoshi et al.
US 4837083 A	19890606	Magnetic recording medium	428/329	427/128; 428/844.3; 428/900	Kuroda; Kazuhiro et al.
US 4833597 A	19890523	Dictionary/directory management method in database system	707/200		Wakayama; Satoshi et al.
US 4831805 A	19890523	Precast concrete board fixing metal fitting	52/509	52/235	Noborisaka; Mitsuo et al.
US 4827126 A	19890502	Light beam scanning apparatus	250/235	250/227.31; 250/584	Tanaka; Kazuyoshi
US 4800278 A	19890124	Pyroelectric infrared sensor	250/338.1	250/338.3; 250/349; 250/353; 250/DIG.1	Taniguti; Yoshiharu et al.
US 4799805 A	19890124	Four track-type endless rectilinear motion guide unit	384/44	384/45	Tanaka; Kazuhiko
US 4799804 A	19890124	Four track-type endless rectilinear motion guide unit	384/44	384/45	Tanaka; Kazuhiko
US 4799803 A	19890124	Ball spline linear motion rolling guide unit	384/43	384/49	Tanaka; Kazuhiko
US 4797012 A	19890110	Linear motion rolling guide unit	384/45		Tanaka; Kazuhiko
US 4789891 A	19881206	Spacer with an inclined surface for mounting a solid image pickup element to a color separation prism	348/337	348/265; 359/503	Kanayama; Shigehiro et al.
US 4789227 A	19881206	Zoom lens	359/684	359/683; 359/687; 359/693	Tanaka; Tsunefumi et al.
US 4784469	19881115	Beam splitter for color	359/638	359/831	Tsukada;

A		imaging equipment			Tatsuki et al.
US 4783360 A	19881108	Thermal transfer material	428/32.7	428/206; 428/32.75; 428/32.77; 428/323; 428/327; 428/913; 428/914	Katayama; Masato et al.
US D297566 S	19880906	Direct delivery unit for application of dental materials or the like	D24/113		Blatherwick; William J. et al.
US 4764032 A	19880816	Ball spline bearing provided with a driving unit	384/44	384/45; 464/168	Tanaka; Kazuhiko
US 4763998 A	19880816	Compact zoom lens	359/687		Tsuji; Sadahiko et al.
US 4760910 A	19880802	Aligning and feeding apparatus for elongated pieces	198/412	198/441; 198/457.04; 198/467.1; 198/663; 198/676	Suzuki; Masanori et al.
US 4760171 A	19880726	Process for producing ethanol	568/902	987/5	Isogai; Nobuo et al.
US 4758600 A	19880719	Process for the manufacture of ethanol	518/713	502/302; 502/305; 502/306; 502/326; 518/701; 518/707; 518/714; 518/716	Arimitsu; Satoshi et al.
US 4758117 A	19880719	Method for the transportation of a particulate material at controlled rate	406/14	406/12; 406/123; 406/24; 406/93	Maki; Yunosuke et al.
US D296315 S	19880621	Automobile tire	D12/583		Hayakawa; Toshio et al.
US D296231 S	19880614	Spray tube driving end for an oscillating sprinkler	D23/216		Chow; Ho et al.
US D296230 S	19880614	Spray tube supporting end for an oscillating sprinkler	D23/216		Chow; Ho et al.
US 4739338 A	19880419	Heat-sensitive transfer recording method	347/171	347/217; 400/241.1; 400/241.2; 430/348	Tanaka; Kazumi et al.
US 4732489 A	19880322	Circulating type ball spline bearing	384/45		Tanaka; Kazuhiko

US 4730908 A	19880315	Zoom lens	359/683		Tanaka; Kazuo
US 4722878 A	19880202	Photomask material	430/5	378/34; 378/35; 428/428; 428/432	Watakabe; Yaichiro et al.
US 4715729 A	19871229	Roller bearing for infinite rectilinear motion	384/44		Tanaka; Kazuhiko
US 4710007 A	19871201	Camera system with lens coupling member	396/530		Tanaka; Kazuo
US 4708909 A	19871124	Radiation-curable, magnetic coating material and magnetic recording medium using the same	428/425.9	252/62.54; 427/128; 427/502; 427/503; 428/522; 428/844.6; 428/900	Ohtsuki; Akira et al.
US 4702567 A	19871027	Zoom lens	359/683	359/684; 359/685	Kato; Masatake et al.
US 4698810 A	19871006	Data recording and reproducing system with error correction capability using ECC and CRC codes	714/758	360/32; 369/59.26	Fukuda; Yasushi et al.
US 4693684 A	19870915	Ratchet type dispenser for dental materials	433/90		Blatherwick; William J. et al.
US 4687354 A	19870818	Dot matrix printer head	400/124.18	101/93.04; 101/93.48; 400/124.21; 400/124.31	Tanaka; Kazumi
US 4682860 A	19870728	Ultrasmall size zoom lens	359/692		Tanaka; Kazuo et al.
US 4680669 A	19870714	Corona discharging apparatus	399/98	15/1.51; 250/234; 250/324; 361/213; 361/229; 361/235; 96/25; 96/32	Tsuchiya; Hiroaki et al.
US 4678602 A	19870707	Highly conductive styrenic resin composition	252/513	252/511; 252/512; 525/74	Tanaka; Kazunobu et al.
US 4678581 A	19870707	Polymethyl methacrylate hollow fiber type ultrafiltration membrane and process for preparation of the	210/500.23	210/500.35; 210/500.42; 264/184	Nogi; Tatsuo et al.

		same			
US 4674865 A	19870623	Cleaning device	399/102	399/350	Tada; Hideki et al.
US 4670340 A	19870602	Magnetic recording medium and method	428/339	427/128; 427/130; 427/500; 427/502; 428/845.7; 428/900	Isobe; Yukihiro et al.
US 4646803 A	19870303	Case for protecting a magnetic core	336/90	206/303; 206/398; 206/408; 336/198; 336/219	Hanaoka; Katsumi et al.
US 4644034 A	19870217	Heat- and impact-resistant resin composition	525/68	525/71; 525/74; 525/905; 525/92D; 525/95	Tanaka; Kazunobu et al.
US 4643556 A	19870217	Automatic focusing adjustment device	396/111	348/345	Fujiwara; Akihiro et al.
US 4639868 A	19870127	Control method for drilling apparatus which makes use of a final drilling pattern transformed from primary and secondary patterns	702/9	173/39; 175/24; 33/1CC; 33/1H; 33/1M; 33/503; 700/159; 700/160; 700/192; 700/194; 700/251; 700/86; 701/50	Tanaka; Kazumoto et al.
US 4639707 A	19870127	Transformer with toroidal magnetic core	336/185	336/198; 336/229	Tanaka; Kazuhiro et al.
US 4639099 A	19870127	Optical instrument	313/524	359/407	Tanaka; Kazuto et al.
US 4631509 A	19861223	Electrical induction apparatus with support inside casing	336/92	336/197; 336/198; 336/210	Arii; Kazuhiro et al.
US 4624891 A	19861125	Heat-sensitive transfer material	428/321.3	428/195.1; 428/335; 428/336; 428/522; 428/913;	Sato; Hiroshi et al.

				428/914	
US 4605003 A	19860812	Lithotripter	606/128		Oinuma; Senzo et al.
US 4598304 A	19860701	Thin film devices of silicon	257/9	136/258; 136/261; 257/2; 257/21; 257/E21.101; 257/E21.212; 257/E29.003; 257/E29.086	Tanaka; Kazunobu et al.
US 4590976 A	19860527	Exhaust apparatus for electric lamps	141/66	141/269; 251/7	Tanaka; Kazuyuki et al.
US 4590035 A	19860520	High-hardness heat-resistant alloy	420/449		Ueda; Jitsuhiko et al.
US 4588181 A	19860513	Double-feed prevention device in paper feeding apparatus	271/121		Sakata; Kei et al.
US 4587071 A	19860506	Production of polyethylene terephthalate film for magnetic recording	264/210.7	264/235.8; 264/289.6; 264/290.2	Minami; Satoyuki et al.
US 4584345 A	19860422	Heat-resistant, high-impact resin composition	525/67	525/71	Tanaka; Kazunobu et al.
US D282100 S	19860107	Oilstove	D23/338		Tanaka; Kazuhiro et al.
US 4556879 A	19851203	Video display apparatus	345/28	345/572	Tanaka; Kazuyuki
US 4552353 A	19851112	Double-feed prevention device in paper feeding apparatus	271/124		Tanaka; Kazunori et al.
US 4546350 A	19851008	Display apparatus	345/28	345/564	Tanaka; Kazuyuki
US 4546030 A	19851008	Polyethylene terephthalate film, process for the production thereof and magnetic recording medium therefrom	428/220	428/334; 428/335; 428/336; 428/480; 428/847.2; 428/910; 528/308.1; 528/308.2; 528/502B	Minami; Satoyuki et al.
US 4544250 A	19851001	Optical system for camera with a viewfinder	396/73	348/341; 396/385	Tanaka; Kazuo et al.
US 4532373 A	19850730	Amorphous photovoltaic solar cell	136/258	136/255; 257/431;	Matsuura; Hideharu et al.

				257/53	
US 4532179 A	19850730	Metal-ceramic bonded material	428/335	428/433; 428/469; 428/472; 428/701; 428/702	Takami; Akio et al.
US 4527154 A	19850702	Display system	345/26	345/467	Tanaka; Kazuyuki
US 4526837 A	19850702	Magnetic recording medium	428/425.9	252/62.54; 360/134; 360/135; 360/136; 427/128; 427/131; 427/502; 427/506; 428/522; 428/704; 428/844.6; 428/900	Ohtsuki; Akira et al.
US 4525381 A	19850625	Photochemical vapor deposition apparatus	427/582	118/50.1; 118/719; 118/723HC; 118/723R; 136/258; 427/569	Tanaka; Kazuya et al.
US 4518123 A	19850521	Method for controlling the pulverization and dryness of flammable materials passing through a pulverizer, and method of controlling the pulverizing rate of the pulverizer	241/18	110/186; 110/232; 110/347; 241/30; 241/33	Tanaka; Kazuo et al.
US 4514767 A	19850430	Apparatus for making masks and/or block copies for printing	358/465	355/79; 382/100; 382/168	Kubota; Yasuo et al.
US 4514452 A	19850430	Magnetic recording disk	428/847.1	360/134; 360/135; 360/136; 427/128; 427/131; 428/143; 428/172; 428/212; 428/216; 428/220;	Tanaka; Kazuhiro et al.



				428/332; 428/335; 428/336; 428/480; 428/483; 428/523; 428/900; 428/910	
US 4511629 A	19850416	Magnetic recording medium	428/522	428/840.5; 428/900	Konno; Ryoza et al.
US 4506587 A	19850326	Method of processing data for musical score display system	84/462	84/477R; 984/256; 984/DIG.1	Tanaka; Kazurou
US 4505522 A	19850319	Infinite circuit using rolling bearings for providing rectilinear motion	384/45		Tanaka; Kazuhiko
US 4500730 A	19850219	Process for producing aromatic polycarboxylic acid	562/416	422/240; 422/241	Tanaka; Toru et al.
US 4497865 A	19850205	Polyethylene terephthalate film, process for the production thereof and magnetic recording medium therefrom	428/336	264/210.7; 264/235.8; 264/290.2; 360/134; 360/135; 360/136; 428/480; 428/847.2; 428/900; 428/910	Minami; Satoyuki et al.
US 4491832 A	19850101	Device for displaying characters and graphs in superposed relation	345/23	345/471; 345/636	Tanaka; Kazuyuki
US D276906 S	19841225	Vehicle tire	D12/600		Kojima; Hiroshi et al.
US 4490554 A	19841225	Process for crystallizing trimellitic acid	562/486	562/416; 562/417	Tanaka; Toru et al.
US 4490208 A	19841225	Method of producing thin films of silicon	438/482	136/258; 257/E21.101; 257/E21.212; 257/E29.003; 257/E29.086; 430/128; 438/503; 438/513; 438/719; 438/96	Tanaka; Kazunobu et al.
US 4485302	19841127	Radiation image read out	250/585	250/586;	Tanaka;

A		device		385/121	Kazuyoshi et al.
US 4482914 A	19841113	Contact structure of semiconductor device	257/774	257/750; 257/E21.214; 257/E23.019	Mano; Toru et al.
US 4482218 A	19841113	Zoom lens	359/687	359/723; 359/740	Tanaka; Kazuo
US 4468662 A	19840828	Display apparatus for displaying characters or graphics on a cathode ray tube	345/28	345/213	Tanaka; Kazuyuki
US 4468592 A	19840828	Strobo apparatus	315/241P	315/225; 362/10	Ogura; Hisashi et al.
US 4466707 A	19840821	Variable magnification lens system	359/674		Ikemori; Keiji et al.
US 4465342 A	19840814	Zoom lens	359/690	359/708	Tanaka; Kazuo et al.
US 4463773 A	19840807	Safety shut-off valve	137/38	137/110; 137/39; 137/462; 251/25; 251/57	Kojima; Tadashi et al.
US 4463105 A	19840731	Process for producing oxygen-containing hydrocarbon compounds	518/716	518/714	Ichikawa; Masaru et al.
US 4461518 A	19840724	Sliding roller bearing	384/44		Tanaka; Kazuhiko
US RE31630 E	19840717	Electron beam exposure system	250/492.2	250/400	Goto; Eiichi et al.
US 4460060 A	19840717	Vibratory diaphragm for loudspeaker	181/169	181/170; 428/337; 428/339; 428/408; 428/902; 442/168; 442/179; 442/180; 442/60	Hasumi; Shigeru et al.
US 4458487 A	19840710	Electromagnetic actuator	60/477	60/494	Kojima; Tadashi et al.
US 4455065 A	19840619	Optical device	359/726	356/4.01; 359/733	Niwa; Yukichi et al.
US 4451531 A	19840529	Magnetic recording medium and method	428/329	427/128; 427/130; 427/502; 428/325; 428/328;	Isobe; Yukihiro et al.

				428/337; 428/698; 428/845.1; 428/900	
US 4450442 A	19840522	Display processor for superimposed-picture display system	345/213	348/550; 348/564; 715/790	Tanaka; Kazuyuki
US 4444472 A	19840424	Lens system having color separation optics	359/676	359/634; 359/713	Tanaka; Kazuo
US 4443078 A	19840417	Distance detecting device in a camera	396/82	348/350; 356/3.14; 396/111; 396/89	Niwa; Yukichi et al.
US 4439573 A	19840327	Propylene polymer composition	524/451	524/505	Fukui; Osamu et al.
US 4430112 A	19840207	Sheet glass producing apparatus	65/335	65/27	Tanaka; Kazuyuki
US 4422734 A	19831227	Photographic lens system having an auxiliary lens	359/675	359/785	Tanaka; Kazuo et al.
US 4420335 A	19831213	Materials for rolls	420/61	420/60	Takagi; Tomio et al.
US 4419406 A	19831206	Magnetic recording medium and production thereof	428/422	427/128; 427/177; 427/502; 428/845.7; 428/900	Isobe; Yukihiro et al.
US 4417228 A	19831122	Gas component detector	338/34	422/98; 73/23.21; 73/25.03	Takami; Akio et al.
US 4415630 A	19831115	Process of making magnetic recording medium	428/403	427/127; 427/128; 427/216; 427/221; 427/385.5; 427/388.1; 428/457; 428/500; 428/522; 428/842.2; 428/900; 930/DIG.630	Kubota; Yuichi et al.
US 4412213 A	19831025	Driving circuit for a fluorescent display apparatus having fewer leads	345/35	345/47	Kishino; Takao et al.
US 4412016 A	19831025	Propylene polymer composition	523/206	524/451; 524/505;	Fukui; Osamu et al.

				525/88; 525/89	
US 4399174 A	19830816	Reinforcing material	428/67	296/146.6; 296/187.02; 428/156; 428/172; 428/189; 428/192; 428/308.4; 428/31; 428/319.3; 428/515	Tanaka; Kazunori et al.
US 4396571 A	19830802	Method of preparing resin coated foundry sand using unsaturated polyester	264/219	264/236; 427/221; 428/407; 523/148; 523/521	Oyamada; Akira et al.
US 4384199 A	19830517	Incident position detector for radiation beam	250/204	356/4.04	Ogino; Yasuo et al.
US 4382979 A	19830510	Method of manufacturing a fluorescent display apparatus	427/68	427/108; 427/157; 427/226; 427/379; 427/380	Tanaka; Kazunori et al.
US 4380376 A	19830419	Zoom objective	359/690		Suda; Shigeyuki et al.
US 4374456 A	19830222	Process for producing a gas detecting element	438/49	438/104	Takami; Akio et al.
US 4364642 A	19821221	Zoom element focusable zoom lens	359/694	359/684	Tanaka; Kazuo et al.
US 4363885 A	19821214	Propylene polymer composition useful for bumpers	523/212	523/203; 523/216; 524/100; 524/143; 524/248; 524/291; 524/305; 524/323; 524/359; 524/371; 524/378; 524/384; 524/394; 524/396; 524/409;	Fukui; Osamu et al.

				524/411; 524/413; 524/451; 524/505; 524/91; 525/88; 525/89	
US 4358474 A	19821109	Method for electric recording	427/540	156/234; 156/240; 346/135.1; 346/150.2; 347/159; 427/122; 427/123; 427/124; 427/146; 427/152; 427/264; 427/271; 427/532; 428/206; 428/207; 428/208; 428/209; 428/913; 428/914	Nakano; Shiro et al.
US 4348616 A	19820907	Preset lighting device	315/314	307/38; 315/201; 315/208; 315/315; 315/320	Tanaka; Kazuyuki et al.
US 4346295 A	19820824	Radiation image read out device	250/586	250/337; 385/121	Tanaka; Kazuyoshi et al.
US 4339510 A	19820713	Aluminum-base brazing alloy composite	428/654	420/529	Kaifu; Masaharu et al.
US 4338142 A	19820706	Melting flux composition for submerged arc welding	148/26	75/329	Okuda; Naoki et al.
US 4336983 A	19820629	Photographic objective stabilized against change of angular field during focusing	359/686		Tanaka; Kazuo et al.
US 4330180 A	19820518	Zoom lens system having a plural number of relay lenses	359/683	359/674	Tanaka; Kazuo
US 4329398 A	19820511	Magnetic recording medium	428/413	252/62.54; 360/134;	Hosaka; Akihiko et al.

				427/128; 428/425.9; 428/483; 428/522; 428/844.7; 428/900	
US 4328477 A	19820504	Gas detecting element and process for producing the same	338/34	29/610.1	Takami; Akio et al.
US 4325064 A	19820413	Driving circuit for a fluorescent display apparatus having fewer leads	345/35	345/47	Kishino; Takao et al.
US 4318593 A	19820309	Zoom lens assembly with two movable focusing lens groups	359/706	359/699	Tsuji; Sadahiko et al.
US 4318592 A	19820309	Lens system with attachment lens removably attached	359/683	359/674	Tanaka; Kazuo
US 4315279 A	19820209	Color image detecting device	348/275	348/340	Kuwayama; Tetsuro et al.
US 4312964 A	19820126	Polyolefin resin composition	525/88	525/240	Sekine; Noriyuki et al.
US 4312710 A	19820126	Multistage flash evaporator	202/173	202/180; 202/197; 202/266; 203/11	Tanaka; Kazuhiro et al.
US 4308371 A	19811229	Process for preparing thermosetting organopolysiloxane	528/18	427/387; 428/412; 428/500; 428/532; 528/10; 528/33; 528/34	Tanaka; Kazunobu et al.
US 4308314 A	19811229	Electric recording material	428/323	346/135.1; 347/153; 427/121; 428/328; 428/336; 428/339; 428/409; 428/913	Nakano; Shiro et al.
US 4307154 A	19811222	Magnetic recording medium	428/413	252/62.54; 360/134; 428/423.7; 428/424.6; 428/425.9; 428/844.7; 428/900	Hosaka; Akihiko et al.

US 4304883 A	19811208	Unsaturated polyester resin composition for coating metal substrates	525/170	428/458; 525/445; 528/297; 528/298	Fujii; Tadashi et al.
US 4284331 A	19810818	Photographic objective having a focusing control with prevention of change in angular field of view	359/683	359/693	Tanaka; Kazuo
US 4281906 A	19810804	Zoom lens	359/688		Tanaka; Kazuo
US 4278331 A	19810714	Photographic objective which prevents variation in angular field of view during focusing	359/686		Tanaka; Kazuo
US 4276341 A	19810630	Wet suit material and wet suit made thereof	442/183	2/2.16; 2/82; 428/317.1; 428/319.3; 428/424.6	Tanaka; Kazuyoshi
US 4259688 A	19810331	TV camera	348/139	348/335	Tokuhara; Mitsuhiro et al.
US 4259615 A	19810331	Photographic flash device	315/241P	315/133; 315/135; 396/203; 396/206	Kashihara; Toshitsugu et al.
US 4226826 A	19801007	Method for manufacturing polyester films	264/235.8		Motegi; Masahiko et al.
US 4225634 A	19800930	Method for manufacturing gas composition detector	427/101	204/428; 204/429; 427/125; 427/245; 427/304; 427/380; 427/383.5; 427/426	Tanaka; Kazuo et al.
US 4224918 A	19800930	Cylinder head construction	123/657	123/188.14	Tanaka; Kazuyuki et al.
US 4215542 A	19800805	Exhaust gas purifying apparatus for automobile multi-cylinder engine	60/290	60/293; 60/294; 60/301	Kobayashi; Kazuo et al.
US 4215541 A	19800805	Dual-catalyst exhaust gas purifying apparatus for multi-cylinder engine	60/284	60/289; 60/293; 60/301	Tanaka; Kazuyuki et al.
US 4215540 A	19800805	Exhaust gas purifying apparatus for automobile multi-cylinder engine	60/278	60/293; 60/301	Kobayashi; Kazuo et al.

US 4215539 A	19800805	Exhaust gas purifying apparatus for automobile multi-cylinder engine	60/278	60/293; 60/301	Tanaka; Kazuyuki et al.
US 4201175 A	19800506	Cylinder head construction	123/657	123/188.8; 123/193.5; 123/306	Tanaka; Kazuyuki et al.
US 4197484 A	19800408	Electronic flash device with voltage display	315/241P	315/135; 340/660; 396/203; 396/206	Tanaka; Kazuo
US 4168974 A	19790925	Ion modulation imaging involves prior uniform charging of secondary recording surface and charge control thereof	430/53	399/168; 399/333	Ando; Yujiro et al.
US 4160933 A	19790710	Accidental flash prevention in a photographic flash device	315/241P	396/180; 396/203	Tanaka; Kazuo
US 4157211 A	19790605	Zoom lens having an easily changeable range of variable focal distance	359/674	359/686	Tanaka; Kazuo et al.
US 4146305 A	19790327	Variable lens which can have its focal distance range easily changed	359/674	359/686	Tanaka; Kazuo
US 4139040 A	19790213	Pneumatic tire for vehicles	152/541	152/546; 152/547; 152/555; 152/560	Samoto; Masao et al.
US 4135038 A	19790116	Seal structure of ceramics and low expansion metallic material	428/427	174/52.4; 257/E23.043; 257/E23.189; 257/E23.193; 428/428; 428/433; 428/471; 428/472; 428/901; 501/18	Takami; Akio et al.
US 4124274 A	19781107	Zoom lens having closeup focusing control	359/684	359/687	Tanaka; Kazuo et al.
US 4119854 A	19781010	Electron beam exposure system	250/397	250/398; 250/492.2	Tanaka; Kazumitsu et al.
US 4117340 A	19780926	Electron beam exposure system	250/492.2	250/400	Goto; Eiichi et al.
US 4099871 A	19780711	Method and apparatus for determination of activated	356/73	210/143; 356/427;	Sunahara; Hiroshi et al.



		sludge volume index		356/442	
US 4099845 A	19780711	Zoom lens with aberration variation prevented for focusing	359/684	359/687	Takesi; Kunio et al.
US 4071975 A	19780207	Method of promoting the growth of plants	47/9		Tanaka; Kazunobu et al.
US 4046988 A	19770906	Method of preventing base metal end crack in arc welding and end tab used therefor	219/137R	219/136	Okuda; Naoki et al.
US 4017339 A	19770412	Flux for use in submerged arc welding of steel	148/24	148/26	Okuda; Naoki et al.
US 4014941 A	19770329	Method of producing .alpha.,.beta.-unsaturated ether	568/691		Tanaka; Kazuaki et al.
US 3991138 A	19761109	Resin composition for the formation of light-degradable mulching film for agricultural use	428/220	260/DIG.43; 47/9; 523/126; 523/127; 524/502; 525/187	Tanaka; Kazunobu et al.
US 3963821 A	19760615	Method for producing synthetic fiber for paper	264/147	162/157.4; 264/151; 264/182; 264/185; 525/57; 525/59	Takeda; Hiromu et al.
US 3957501 A	19760518	Non-combustible light-weight inorganic shaped articles and process of manufacture	106/605	106/611; 106/624; 106/625; 106/627; 106/629; 106/632; 264/122; 264/42; 264/45.3; 264/54; 264/DIG.17; 264/DIG.6; 264/DIG.63; 419/10	Matsuda; Tadashi et al.
US 3956584 A	19760511	Optical system for a television camera with a bias-light emitting device	348/258		Tanaka; Kazuo et al.
US 3943871	19760316	Submerging system for	114/66	114/230.13;	Tanaka;

A		marine structure		114/230.23; 114/331; 405/185; 441/3; D25/19; D25/31	Kazuhide
US 3928496 A	19751223	Synthetic fiber for paper and method for producing the same	525/57	162/146; 162/157.4; 264/182; 264/185	Takeda; Hiromu et al.
US 3927540 A	19751223	Apparatus for continuously heat-treating fibrous materials under pressure	68/5E	277/432; 34/242	Tanaka; Kazue et al.
US 3878058 A	19750415	Recovery of alkylvinylether by extractive distillation of a feed containing only trace amounts of water	203/63	203/50; 203/64; 568/693	Tanaka; Kazuaki et al.
US 3876564 A	19750408	Process for preparing alkylene oxide polymers	528/414	502/155; 526/190; 528/101; 528/105; 528/408; 528/418; 528/419; 528/421; 528/88; 528/93	Tanaka; Kazunobu et al.
US 3832844 A	19740903	PUSH BUTTON TYPE DISPLAY CORRECTION MECHANISM ON A TIMEPIECE	368/101	368/185; 968/833; 968/DIG.1	Matsumura; Tetso et al.
US 3783599 A	19740108	ALARM TIMEPIECE	368/74	368/238; 968/597; 968/DIG.1	Tanaka; Kazuo
US 3755234 A	19730828	PROCESS FOR PREPARING GRAFT COPOLYMER EMULSIONS	524/459		Chujo; Kiyoshi et al.
US 3749821 A	19730731	SYSTEM FOR RECORDING AND REPRODUCING A PLURALITY OF SIGNALS	386/43	369/101; 386/38	Miyauchi; Sakae et al.
US 3716983 A	19730220	CALENDAR WATCH	368/28	368/34; 368/37; 968/182; 968/DIG.1	Tanaka; Kazuo et al.
US 3710181 A	19730109	SOLID-STATE IMAGE INTENSIFIER	315/175	313/507; 313/525;	Tanaka; Kazunobu et

				315/169.1; 315/169.3	al.
US 3669907 A	19720613	SEMICONDUCTIVE ELEMENTS	252/520.1	252/520.2; 252/520.4; 252/521.3; 338/308; 501/17; 501/18; 501/76; 501/79	Kohashi; Tadao et al.
US 3659413 A	19720502	SINGLE POSITION DATE OR DAY CORRECTOR WITH GRAVITY CONTROLLED CLUTCH	368/34	368/38; 968/172; 968/DIG.1	Tanaka; Kazuo et al.
US 3604938 A	19710914	METHOD FOR OPERATING ELECTROLUMINESCENCE DISPLAY DEVICE	250/214LA	313/502	Kohashi; Tadao et al.
US 3597954 A	19710810	METHOD AND APPARATUS FOR ROLLING STEEL MATERIAL AND RAILS OR SIMILARLY SHAPED PRODUCTS	72/225		Nakajima; Koe et al.
US 3564260 A	19710216	SOLID-STATE ENERGY- RESPONSIVE LUMINESCENT DEVICE	250/214LA	313/507; 315/169.3	Tanaka; Kazunobu et al.
US 3543026 A	19701124	DEVICE FOR CONVERTING CONTRAST OF X-RAY IMAGE INTO COLOR DIFFERENCE WITH INTENSIFIED BRIGHTNESS [TEXT AVAILABLE IN USOCR DATABASE]	250/483.1	378/190	KOHASHI TADAO et al.
US 3515890 A	19700602	POWER SUPPLY UNIT [TEXT AVAILABLE IN USOCR DATABASE]	307/2	307/7; 363/126	KOHASHI TADAO et al.
US 3462939 A	19690826	MECHANICAL VIBRATOR FOR TIMEPIECE [TEXT AVAILABLE IN USOCR DATABASE]	368/157	310/328; 318/154; 331/116M; 331/156; 368/167; 84/457; 968/486; 968/488;	KATO YOSHIAKI et al.

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